SUBMIT IN TRIPL (Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES DEPARTMENT OF THE INTERIOR

5. LEASE DESIGNATION AND SERIAL NO. **GEOLOGICAL SURVEY** TT 10061 6. IF INDIAN, ALLOTTEE OR TRIBE NAME APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 1a. TYPE OF WORK 7. UNIT AGREEMENT NAME DEEPEN PLUG BACK 🗌 DRILL X N/A b. TYPE OF WELL 8. FARM OR LEASE NAME /Well Name MULTIPLE ZONE WELL X X OTHER 2. NAME OF OPERATOR Antimony Bench Prospect ARCO Oil and Gas Company, A Division of Atlantic Righfield Company
3. ADDRESS OF OPERATOR d. FIELD AND POOL, OR WILDCAT P. O. Box 5540, Denver, Colorado requirements.*) 5 1983 4. LOCATION OF WELL (Report location clearly and in accordance with any Wildcat SEC., T., R., M., OR BLK. AND SURVEY OR AREA 725' FSL, 505' FWL At proposed prod. zone Approximately the same Sec. 3-31S-2W **NIVISION OF** 12. COUNTY OR PARISH | 18. STATE 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* OU GAS & MINING Garfield Utah 1.5 miles north of Antimony, Utah 13. DISTANCE FROM PROPOSED®
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig, unit line, if any) NO. OF ACRES ASSIGNED 16. NO. OF ACRES IN LEASE 725' 736.49 20. ROTARY OR CABLE TOOLS 19. PROPOSED DEPTH 18. DISTANCE FROM PROPOSED LOCATIONS TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 4750' Rotary N/A 22. APPROX. DATE WORK WILL START* 21. ELEVATIONS (Show whether DF, RT, GR, etc.) June 1, 1983 6380' GR $\overline{23}$. PROPOSED CASING AND CEMENTING PROGRAM SETTING DEPTH QUANTITY OF CEMENT WEIGHT PER FOOT SIZE OF CASING SIZE OF HOLE 550' 550 sx Cl "B" w/additives 14-3/4" 10-3/4" New 40.5 750 sx Pozmix 50/50 w/additives

Propose to drill well to 4750 to test the Elephant Canyon and Redwall formations as described in the attachments.

15.5

Attachments:

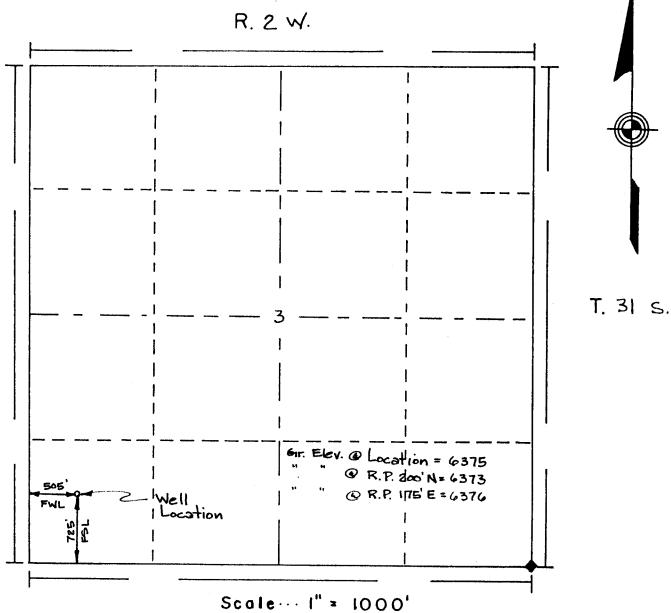
7-7/8"

- Drilling Plan (10 Point Plan) with Exhibit "AA" 1.
- Certified Location Plat Exhibit "A" with attachments

4750'

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive some and proposed new productive zone. If proposal is to drill or deepep-directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any. 24 Operations Manager (This space for Federal or State office APPROVAL DATE PERMIT NO. APPROVED BY THE STATE OF UTAH DIVISION OF TITLE APPROVED BY CONDITIONS OF APPROVAL, IF ANY: OIL. GAS. AND MI**NIN**G





Powers Elevation of Denver, Colorado
has in accordance with a request from Susanne Barnes
for ARCO OIL & GAS
determined the location of Antimony Bench Prospect
to be 725' FSL & 505' FWL of Section 3 Township 31 South
Range 2 West of the SALT LAKE Meridian
GIARFIELD County, UTAH

I hereby certify that this plat is an accurate representation of a correct survey showing the location of

Date: APRIL 16, 1983

Licensed Land Surveyor No. 2711 State of UTAH

TEN POINT DRILLING PLAN

Attach to APD Form 9-331-C ARCO Oil and Gas Company Antimony Bench Prospect #1 Section 3-31S-2W Garfield County, Utah

1. Surface Geological Formation: Volcanics

2. Estimated Tops of Geological Markers:

Sinbad	_	370'	Elephant Canyon	_	2330'
Woodside	_	610'	Redwall	_	3230'
Kaibab	_	655'	Ouray	_	4250'
Toroweap	_	905'	Elbert	_	4480'
Cedar Mesa	ı —	1505'	Cambrian	_	4690'

3. Estimated Tops of Possible Water, Oil, Gas or Minerals:

Volcanics - 300' (water) Elephant Canyon - 2330' (oil/gas) Redwall - 3330' (oil/gas)

4. Proposed Casing Program:

Casing	Hole Size	Interval	Section Length	Size OD	Weight Grade and Joint	New Used
Conductor	Preset	0- 100'	100'	16"	65# P.E.	New
Surface	14-3/4"	0- 550'	550'	10-3/4"	40.5#,K-55, STC	New
Production	7–7/8"	0–4750'	4750'	5-1/2"	15.5#,K-55, STC	New

Cement Program:

Conductor Cemented to surface with Redimix.

Surface 550 sx Class "B" w/additives, circulate cement to

surface.

Production 750 sx Pozmix 50/50 w/additives TOC to 2100'*

*If any upper zones have potential for flow, cement

will be brought up above these zones.

5. Minimum Specifications for Pressure Control:

Exhibit "AA" is a schematic diagram of the blowout preventer equipment. The annular preventer will be tested to 70% of its working pressure rating and the rams will be hydraulically tested to full working pressure rating or 70% casing yield after nippling up and after any use under pressure. Pipe rams and annular preventer will be operationally checked each 24 hour period, as will blind rams each time pipe is pulled out of hole. All checks of BOP equipment will be noted on daily drilling reports. Accessories to BOP equipment will include an upper and lower kelly cock, a floor safety valve, a drill string BOP, and a choke manifold with pressure rating equivalent to the BOP stack.

6. Type and Characteristic of Proposed Drilling Fluids:

Adequate stocks of sorptive agents will be maintained onsite to handle possible spills of fuel and oil on the surface. The mud system will be gel-chemical, with adequate stocks of weighting material onsite, to be added if required to control over-pressured formation. H_2S scavenging materials will be used in the mud to neutralize any H_2S encountered.

Depth	Type	Weight #/gal.	Visc. sec/qt.	Fluid Loss cc
0- 550'	Fresh water gel-lime spud mud	8.6–8.8	36–40	10–15
550-4750'	Fresh water w/gel sweeps to clean the h	8.3 ole		

7. Auxiliary Equipment:

- a) A kelly cock will be kept in the string.
- b) A float will not be used at the bit.
- c) A mud logging unit will be monitoring the system from surface to TD.
- d) A stabbing valve will be on the floor to be stabbed into the drill pipe when kelly is not in the string.
- e) A pit level monitor will be used.

8. Testing, Logging and Coring Programs:

a) Anticipate six (6) 60' coventional cores in the 1) Mesozoic or Paleozoic rocks, 2) Kaibab, 3) Elephant Canyon, 4) Redwall, 5) Ouray and 6) Elbert formations.

- b) Anticipate six (6) open hole DSTs; one in each core interval at discretion of the wellsite geologist.
- c) The open hole logging program will consist of the following:

DLL/MSFL - TD - 550'
FDC/CNL/GR - TD - 550'
BHCS/GR - TD - 550'
HDT (4 arm) - TD - 550'
Acoustic Wave Form &
Amplitude Recording - TD - 550'
Velocity Survey - TD - 550'

9. Anticipated Abnormal Temperatures, Pressures or Hazards:

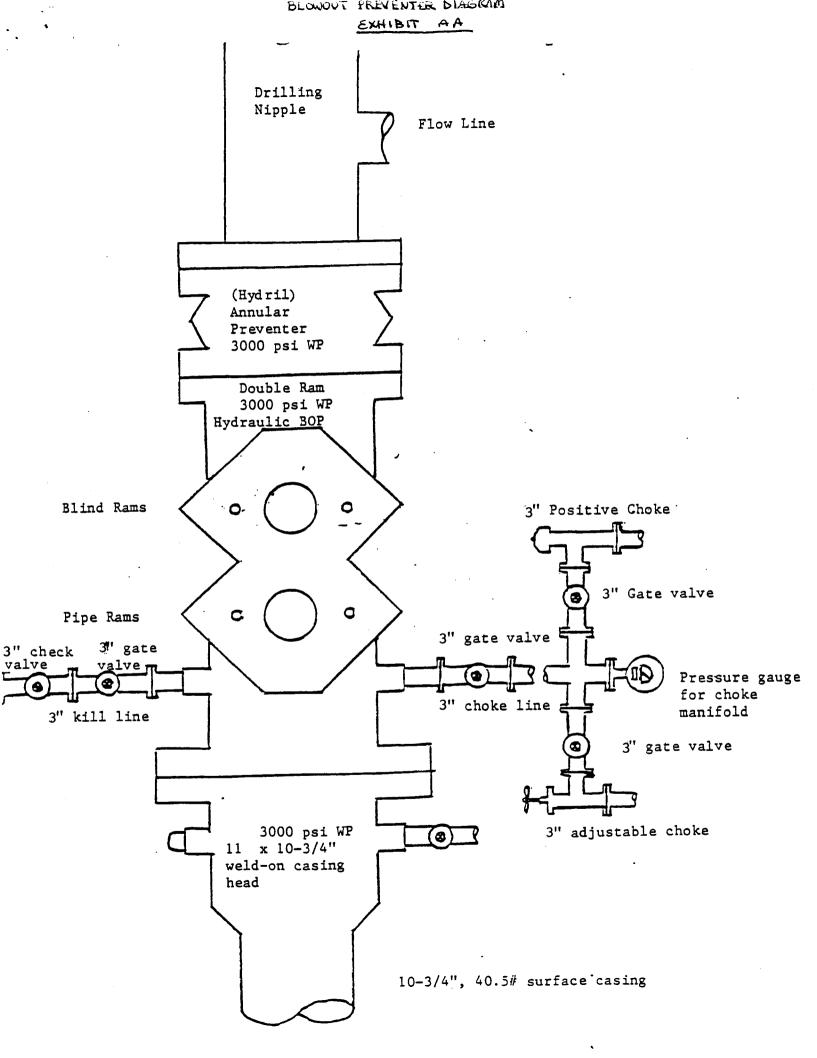
No abnormal pressures or temperature have been noted or reported on wells drilling in the area nor at depths anticipated in this well.

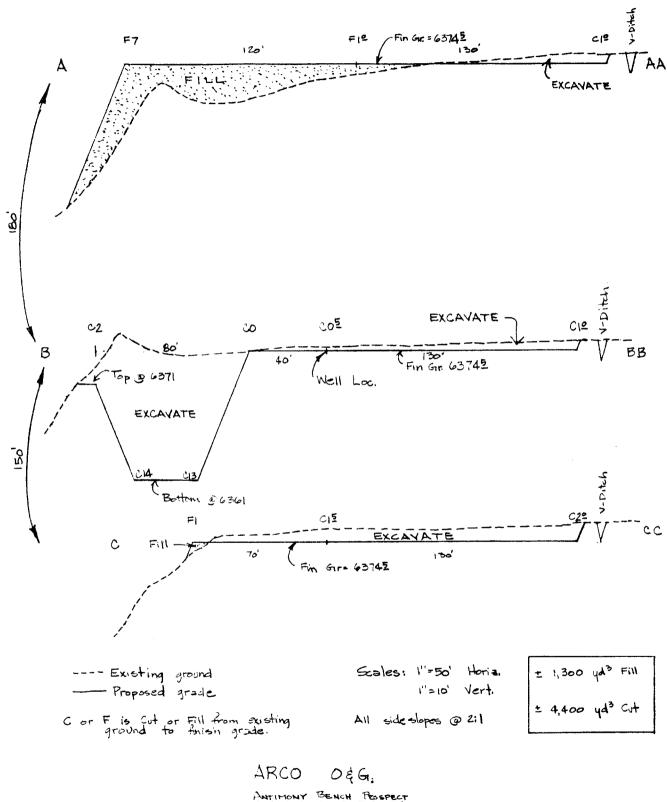
Possible H_2S may be encountered in the Kaibab formation. An H_2S detection and alarm system along with personnel life-support systems will be maintained on the rig at all times below 400'. An H_2S contingency plan is currently being prepared and will be submitted via a Sundry Notice upon completion.

10. Anticipated Starting Date and Duration of Operations:

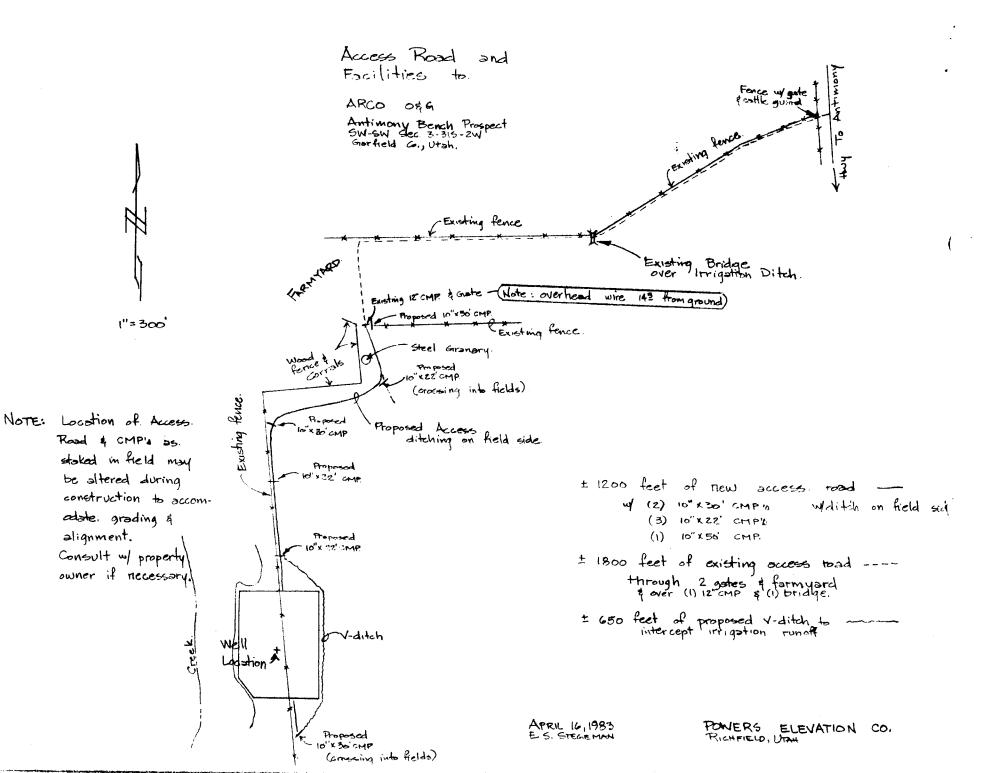
Pending approval of Application and requirements, construction of the proposed location will begin as soon as possible, requiring approximately 7-14 days to complete.

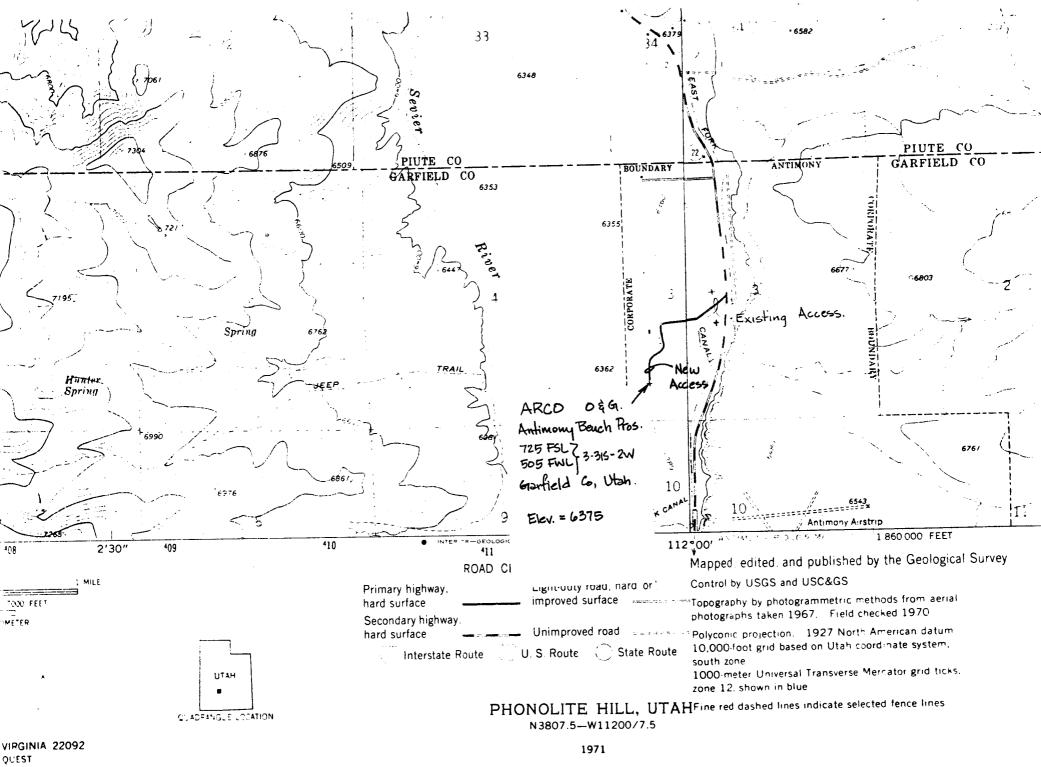
We anticipate spudding the well once the location has been prepared and a rig has moved on location. A total depth of 4750' should be reached within 54 days after spudding the well. A completion rig will then move on location for an estimated 15 days for evaluation and completion.

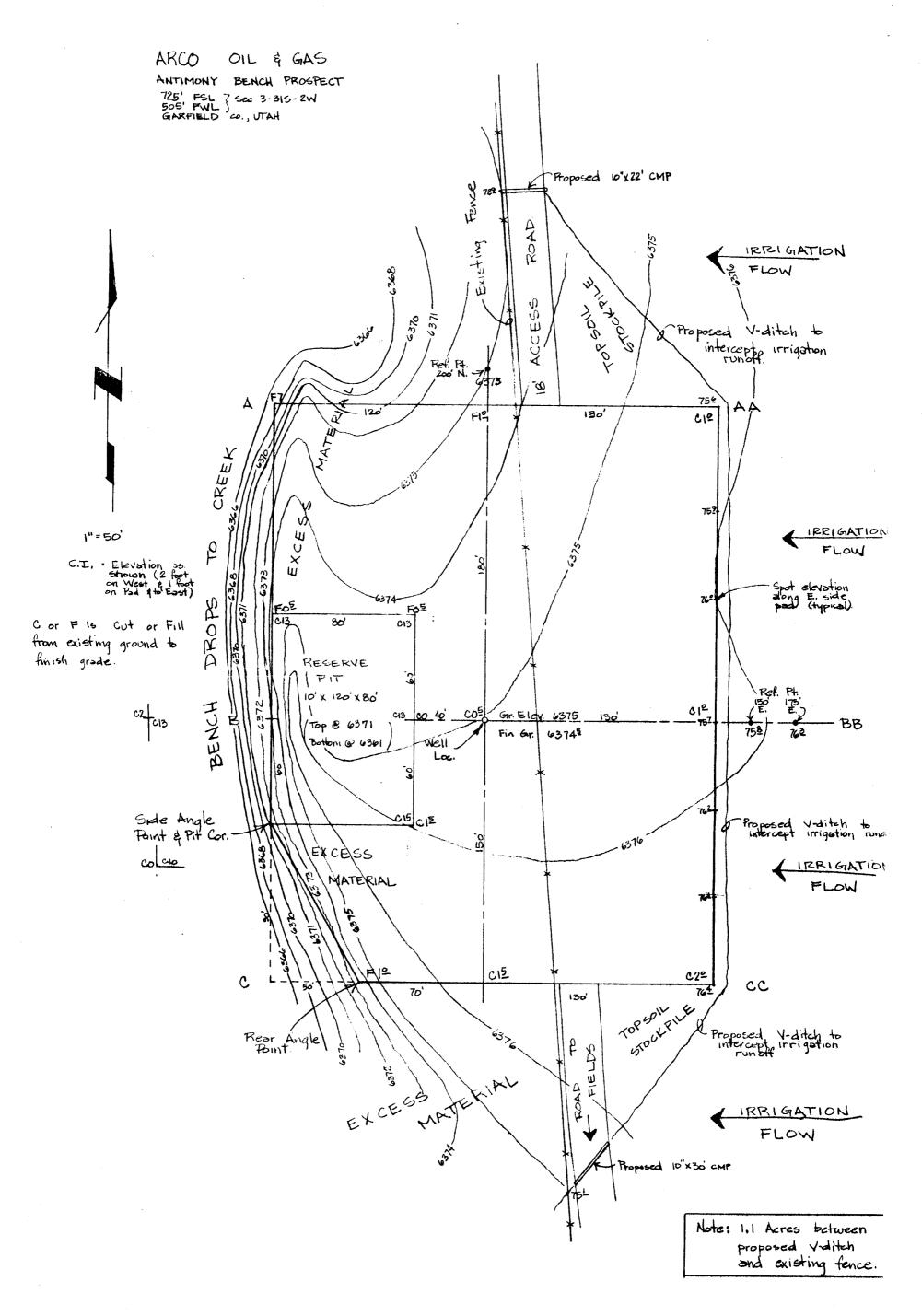




ANTIMONY BENCH POSPECT SW-SW Sec 3-315-2W GARFIELD CO., UTAH







OPERATOR A	ACO OIL & GAS C	CONVANY	DATE 4-26-83
	INTIMONY RENCH		
		R 2W COUNTY	GARFIELD
	43-617-30118 API NUMBER	TY	FED TPE OF LEASE
POSTING CHECK	OFF: NEW PRESIDENCE VE	ES, STEELEL LANGUAGE OU	
/	INDEX	HL	
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	MAP		
PROCESSING COM	MENTS:		
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APPROVAL LETT: SPACING:	ER: UNIT	c-3	CAUSE NO. & DATE
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	approval	ble 45 contin	
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Naucai		THE PLAN THE DESCRIPTION OF	
	I THE THE METERS WE SEE	TOTAL DOLLAR TO AND THE	

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.
AUTHENTICATE LEASE AND OPERATOR INFORMATION
VERIFY ADEQUATE AND PROPER BONDING JEST Blanked Fee bond flower in 6-28-83 AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC. Worm
AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.
APPLY SPACING CONSIDERATION
ORDER
UNIT \mathcal{N}^{∂}
c-3-b
c-3-c
OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.
IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

April 26, 1983

Arco Oil & Gas Company A Division of Atlantic Richfield Company P. O. Box 5540 Denver, Colorado 80217

RE: Well No. Antimony Bench Prospect #1
SWSW Sec. 3, T.31S, R.2W
725 FSL, 505 FWL
Garfield County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil/ gas well is hereby granted in accordance with Rule C-3(b), General Rules and Regulations and Rules of Practice and Procedure. Approval conditional upon acceptable H₂S contingency plan.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Chief Petroleum Engineer

Office: 533-5771 Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (acquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-017-30118.

Sincerely,

Norman C. Stout Administrative Assistant

NCS/as cc: Oil & Gas Operations Enclosure

5. LEASE

UNITED STATES DEPARTMENT OF THE INTERIOR

DEPARTMENT OF THE INTERIOR	UT 10061	
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE NA	OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to deepen or plug back to a different eservoir, Use Form 9–331–C for such proposals.)	7. UNIT AGREEMENT NA NA 8. FARM OR LEASE NAM	
1 oil — gas —	Antimony Bench P	
2. NAME OF OPERATOR ARCO 011 and Gas Company	9. WELL NO. 1	
Division of Atlantic Richfield Company	10. FIELD OR WILDCAT N	AME
 3. ADDRESS OF OPERATOR P. O. Box 5540, Denver, Colorado 80217 4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 	Wildcat 11. SEC., T., R., M., OR B AREA 3-31S-2W	LK. AND SURVEY OR
AT SURFACE: 725' FSL & 505' FWL AT TOP PROD. INTERVAL: AT TOTAL DEPTH: Approx the same	12. COUNTY OR PARISH Garfield	13. STATE Utah
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,	14. API NO.	
REPORT, OR OTHER DATA REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	15. ELEVATIONS (SHOW 6380' GR	DF, KDB, AND WD)
FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL PULL OR ALTER CASING MULTIPLE COMPLETE CHANGE ZONES ABANDON* (other) H2S Plan 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly statincluding estimated date of starting any proposed work. If well is dimeasured and true vertical depths for all markers and zones pertiner Enclosed please find a H2S Continger for this well, as per Item 9 in the Drilling Plan.	irectionally drilled, give sub int to this work.)*	give pertinent dates, surface locations and
Subsurface Safety Valve: Manu. and Type	Set	@ Ft
	anagetate 5-4	-83
SIGNED W.A. Walther, Ir. Operations M. (This space for Federal or State of	fice use)	
APPROVED BY TITLE		
CONDITIONS OF APPROVAL, IF ANY:		

Form Approved. Budget Bureau No. 42-R1424

Dec. 1973	
UNITED STATES DEPARTMENT OF THE INTERIOR	5. LEASE
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9–331–C for such proposals.)	7. UNIT AGREEMENT NAME NA 8. FARM OR LEASE NAME
1. oil gas well other 2. NAME OF OPERATOR ARCO Oil and Gas Company	Antimony Bench Prospect 9. WELL NO. 1
Division of Atlantic Richfield Company 3. ADDRESS OF OPERATOR	10. FIELD OR WILDCAT NAME Wildcat
P.O. Box 5540, Denver, Colorado 80217 4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) AT SURFACE: 725' FSL & 505' FWL	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 3-31S-2W 12. COUNTY OR PARISH 13. STATE
AT TOP PROD. INTERVAL: AT TOTAL DEPTH: Approx the same	Garfield Utah 14. API NO.
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	43-017-30118 15. ELEVATIONS (SHOW DF, KDB, AND WD) 6380'
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF: TEST WATER SHUT-OFF	(NOTE: Report results of multiple completion or zone change on Form 9–330.)

DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The total proposed depth of this well is changed from 4750' to 8000'.

The casing program is changed as follows:

14-3/4" casing will be set @ 1300' with approximately 1300 sx cement 7-7/8" casing will be set @ 8000' with approximately 1500 sx cement

APPROVED BY THE STATE

All other items remain as originally submitted on APD dated 4-20-83.

		OF UTAH DIV		
Subsurface Safety Valve: Manu. and	-	ATE7	Set 101	Ft.
18. I hereby certify that the foregoing was walther, Ir.	ing is true and correct		5-13-83	
W.A. Walther, Ir.	(This space for Federal or St	ate office use)		
APPROVED BY	TITLE	DATE		

1. oil

well

below.)

AT SURFACE:

AT TOTAL DEPTH:

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly

4. LOCATION OF WELL (REPORT LOCATION CLEARLY, See space 17

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,

2. NAME OF OPERATOR

3. ADDRESS OF OPERATOR

REQUEST FOR APPROVAL TO: TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL

PULL OR ALTER CASING MULTIPLE COMPLETE CHANGE ZONES ABANDON*

(other)_

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	Form Approved. Budget Bureau No.	42-R14
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DEPARTMENT OF THE INTERIOR	FEE **
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
GEOLOGICAL SURVEY	NA
	7. UNIT AGREEMENT NAME
UNDRY NOTICES AND REPORTS ON WELLS	NA
it use this form for proposals to drill or to deepen or plug back to a different pir. Use Form 9–331–C for such proposals.)	8. FARM OR LEASE NAME
gir. Use Form 9-331-C for such proposets./	Allen Fee **
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HAME OF OPERATOR ARCO Oil and Gas Company	1
ivision of Atlantic Richfield Company	TO. FIELD OR WILDCAT NAME
DDRESS OF OPERATOR	Wildcat
.O. Box 5540, Denver, Colorado 80217	11. SEC., T., R., M., OR BLK. AND SURVEY OR
OCATION OF WELL (REPORT LOCATION CLEARLY. See space 17	AREA
nelow)	3-31S-2W
T SURFACE: 725' FSL & 505' FWL	12. COUNTY OR PARISH 13. STATE
AT TOP PROD. INTERVAL:	Garfield Utah
AT TOTAL DEPTH: Approx the same	14. API NO.
CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,	43-017-30118
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD)
	6380' GR
JEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	
WATER SHUT-OFF	,
TURE TREAT	
OT OR ACIDIZE \Box	
AIR WELL	(NOTE: Report results of multiple completion or zone change on Form 9-330.)
OR ALTER CASING	Change on Form 3-330.7
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	rom, Bonch Prospetet
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measured and true vertical depths for all markers and zones pertine	
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's	- ਜ਼ਬੂਜ਼
The lease on this APD is changed to read	
	Allon FFF
The Farm or Lease Name is changed to read	I MITCH PER.
All other items remain as originally subm	nitted and approved.
	•

Subsurface Safety Valve: Manu. and Type	Set @ Ft.
18. I hereby certify that the foregoing is true and correct signed W.A. Walther, Jr. J. J. Operations Manager, w.A. Walther, Jr. J.	DATE6-27-83
(This space for Federal or State office use)	
APPROVED BY TITLE	DATE

Dil Walter Type of lease was in ever and bond is required Teo Cease. Will will get a blanket bond or CD to this ffice A but they stan to sping 6-29, hen if the bond has not yet

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPA	W: ARCO OIL	& GAS COMPAN	Y		
WELL NAME:	ANTIMONY BENC	H PROSPECT #	1		
SECTION SWSW	3 TOWNSHIP	31S RANG	E 2W	_ COUNTY GARFIELD	
DRILLING CONT	RACTOR OLSON		·		
RIG #2					
SPUDDED: DA	TE 6-28-83				
TI	ME 4:30 AM				
Ho	WROTARY				
DRILLING WILL	COMMENCE				
REPORTED BY	PETE TIBBETTS				
TELEPHONE #	303-293-7064				
DATE	6-30-83		CICNED	NCS	

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

_____ Set @ ____

5. LEASE

FEE

UNITED STA DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Subsurface Safety Valve: Manu. and Type ____

	NA
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this to be for proposals to drill or to deepen or plug back to a different reservoir. Use 1917 9-331-C for such proposals.)	7. UNIT AGREEMENT NAME NA 8. FARM OR LEASE NAME
1. oik I gas well x other	8. FARM OR LEASE NAME Allen Fee 9. WELL NO. 1
NAME OF OPERATOR ARCO Oil and Gas Company Division of Atlantic Richfield Company	10. TIELD ON WILDOW AND
3. ADDRESS OF OPERATOR P.O. Box 5540, Denver, Colorado 80217	Wildcat 11. SEC., T., R., M., OR BLK. AND SURVEY OR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)	AREA 3-31S-2W
AT SURFACE: 725' FSL & 505' FWL AT TOP PROD. INTERVAL:	12. COUNTY OR PARISH 13. STATE Garfield Utah
AT TOTAL DEPTH: Approx the same 16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,	14. API NO. 43-017-30118
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD) 6380' GR
REQUEST FOR APPROVAL TO: TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL PULL OR ALTER CASING MULTIPLE COMPLETE CHANGE ZONES ABANDON* (other) N.O. SPUD	(NOTE: Report résults of multiple completion or zone change on Form 9–330.)
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly statincluding estimated date of starting any proposed work. If well is a measured and true vertical depths for all markers and zones pertine	ILECTIONALLY OFFICED, KINE SUDSULIACE locations and
MI & RU Olsen Rig #2. SPUD 14-3/4" conductor h to 140'. Opened 14-3/4" hole to 20" from 0 to H-40, PE casing and landed @ 108' KB. Cemented + 3% salt + 1/4#/sx flocele. CIP @ 1245 hrs 6-and check for TOC outside 16" conductor (left 2 (30' GL) outside 16". Cement down 1" tubing @ with 2% CaCl ₂ . Top job complete @ 1500 hrs 6-3 wouldn't hold. Had to re-cement. Pumped 100 s displaced with 16 BW. Squeezed @ 500 psi. Hel WOC. Casing held 500 psi. Tagged cement @ 64' formation @ 1830 hrs 7-2-83.	110'. RU & ran 3 jts 16", 65#, with 165 sx Class "B" with 2% CaCl ₂ 30-83. Displace with water. WOC 0' cement inside 15"), cement @ 45' K 45' KB with 100 sx Class "B" cement 0-33. Cut off casing. NU hydril, ex Class "B" cement with 2% CaCl ₂ and d 500 psi for 30 mins, hydril held 0K

18. I hereby certify that the forego	ing is true and correct		
SIGNED 3/1/2 Willer	Operations Manager DATE	7-6-83	
W.A. Walther, Jr.	(This space for Federal or State office use)		
APPROVED BY	IIILE		

Form 9-331 Dec. 1973

DEPARTMENT OF THE INTERIO

Form Approved. Budget Bureau No. 42-R1424

GEOLOGICAL SURVEY	NA
SUNDRY NOTICES AND REPORTS ON WEDNISK	N70FNIT AGREEMENT NAME
(Do not use this form for proposals to drill or to deepen or plug back to a CACOt	NAME
(Do not use this form for proposals to drill or to deepen or plug back to a party reservoir. Use Form 2 331—C for such proposals.)	8. FARM OR LEASE NAME
A RIDER TO THE REAL PROPERTY OF THE PARTY OF	Allen Fac
well 🗵 gas 🗵 other	9. WELL NO.
2. NAME OF OPERATOR ARCO Oil and Gas Company	1
- · · · · · · · · · · · · · · · · · · ·	10. FIELD OR WILDCAT NAME
Division of Atlantic Richfield Company	
3. ADDRESS OF OPERATOR	Wildcat
P.O. Box 5540, Denver, Colorado 80217	11. SEC., T., R., M., OR BLK. AND SURVEY OR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17	AREA
below.)	3-31S-2W
AT SURFACE: 725' FSL & 505' FWL	12. COUNTY OR PARISH 13. STATE
AT TOP PROD. INTERVAL:	Carfield Utah
AT TOTAL DEPTH: Approx the same	14. API NO.
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,	43-107-30118
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD)
	6380' GR
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF ONE	TUENTIAL
TEST WATER SHUT-OFF	-District of the same and states and belong the same
FRACTURE TREAT	
SHOOT OR ACIDIZE	The state of the s
REPAIR WELL	(NOTE: Report results of multiple completion or zone
PULL OR ALTER CASING	change on Form 9–330.)
MULTIPLE COMPLETE	
CHANGE ZONES	
ABANDON* (other) N.O. SETTING SURFACE AND PROTECTIVE CASI	NC
(Other) N.O. DHITTAG DOMERON IND A ROXED TO STATE	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state including estimated date of starting any proposed work. If well is dimeasured and true vertical depths for all markers and zones pertinent	e all pertinent details, and give pertinent dates, irectionally drilled, give subsurface locations and t to this work.)*
Drilled ahead to 1493'. Logged. Circl and 36 jts 10-3/4", 40.5#, K-55, STC casing wit (KB = 14.31'). Gemented as follows: pumpe 50/50 poz, 4% gel, 1/4#/sx D-29, 3% CaCl ₂ (h FC and landed @ 1484' KB d 50 bbls water, 510 sx
810 sx 75/25 poz & 2% CaCl, (15.4 ppg). Di	splaced with 143 bbls water.
Bumped plug with 1500 psi - float held. Fu	11 returns, 80 bbls cmt
to surface. Tested BOPE blind and pipe ram	s - OK: tested hydril - OK.
Tag TOC @ 1431'. Tested casing - OK. Dril	led cement Drilled ahead.
lag 100 % 1451 . Tested casing work. Dill	Tod Compiler Biline and an and
Drilled to 2750' RU and ran 67 jts 8-5/8" landed @ 2745'. Cemented with 150 sx lite	32#, K-55, STC casing and and 150 sx Class "C" with
2% CaCl and 1/4# sx celloflake. Ran CBL.	Tested casing and blind
210 04012 4114 17 117 511 5011011	(OVER)
Subsurface Safety Valve: Manu. and Type	Set @ Ft.
18. I hereby certify that the foregoing is true and correct	
SIGNED WA Walther & TITLE Operations Ma	nager _{DATE} 8-17-83
SIGNED WA Walther, Ir Presented on State off	ica usa)
(Inis space for recers) or State on	We 400/
APPROVED BY TITLE TOTAL	DATE

RCO Oil and Gas Chany
Rocky Mountain District
707 17th Street
Mailing address: P.O. Box 5540
Denver, Colorado 80217
Telephone 303 575 7000



September 15, 1983

State of Utah
Department of Natural Resources
Divison of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Re: Monthly Report of Operations
Well No. 1 (ALLEN FEE)
SW SW Sec. 3-31S-2W
Garfield County, Utah

Gentlemen:

Attached, in duplicate, is the Monthly Report of Operations for the month of August, 1983, on the subject well.

This well is being drilled as a "Tight Hole" and we request that this information be held <u>CONFIDENTIAL</u>.

This well was spudded on June 28, 1983.

Very truly yours,

B. R. Still

B. R. Still, Supervisor Operations Information Group

jz

Attachment

Form DOGC-4

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL & GAS CONSERVATION

State Lease No	
Federal Lease	No. <u></u>
Indian Lease N	lo
Fee & Pat.	Fee

1588 WEST NORTH TEMPLE SALT LAKE CITY, UTAH 84116 328-5771

TIGHT HOLE!!

REPORT OF OPERATIONS AND WELL STATUS REPORT

STA	re	Ü	tah		cou	INTY	<u>Garfield</u>	FIEI	LD/LEASE	Allen Fee
The	followir	no is a	corre	ct report		s and pro	oduction (inclu	ding drilling	and produc	Gas Co., Div. of
	t's Addı	ess P			540 . E0217		Compar	ARCO Ny Atlan	tic Ricl	hfield Company S. Info. Group
					7234		Title	Supvr	., Oprn	s. Into. Group
. and	Two	Range	Well	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	REMARKS (If drilling, depth; if shut down, ccute; date and result of test for cascline content of gas)
W SW EC.3	315	2W		0	0	0	0	0	0	Well spudded, 6-28-83
										·
	:									(See Attached Drilling Report)
										TIGHT HOLE!! PLEASE KEEP CONFIDENTIAL.
					/	ŀ				
										·
GA	.S: (MC	F)			0	50 tons 20 40 70 70 70 70 70 70 70 70 70 70 70 70 70	OIL o	hand at be	ginning of mo	oe reported in Barrels) onth
	1 O i	/cnted 1/Uff L	.caso		0 0 0		Pro So Un	ld during m navoidably lo	onth' ost	0
							Or	Reasc n hand at en	on:d of month	0

/12/83

2800

ructions: This form is used during drilling or worko er operations. If testing, coring, or perforating, show formation hame in describing work performed iber all drill stem tests sequentially. Attach description of all cores, Work performed by Producing Section will be reported on "Interim" sheets until final pletion. Report official or representative test on "Final" form. 1) Submit "Interim" sheets when filled out but not less frequently than every 30 days, or (2) Vednesday of the week in which oil string is set. Submit weekly for workovers and following setting of oil string until completion.

Page 10/ 3

AFE #R-27228 Garfie CONFIDENTIAL Prop Code: EQ-20031 County or Parish Utah Rocky Mountain Well no (Antimony Bench) #1 ALLEN FEE Wildcat 7/30-8/1/83 Day-34 (0') - CO & cond hole above fish. (10-3/4" @ 1484")2665 Vis: 26 MW: 8.3# (aerated) Attempt to screw into fsh @ 2420' - no success. TOH & chg out fshg tools. TIH & plugged string. RU Dialog & attempt to unplug - no success. TOH & CO fsg tools. TIH w/fshg tools, wsh & rm to TOF. Attempt to get over fish no success. Circ & cond hole. TOH & chg out fshg tools. TIH & wsh to TOF. No success & TOH. MU OS w/wall hook & knuckle jt & TIH. Wsh & rm bridge @ 2240' - hole tite. TOH & LD fshg tools. TIH w/B#4 (RR) to cond hole. Wrkd hole to CO & TOH to unplug bit. TIH & CO & cond hole to 1965'. (10-3/4" @ 1484') Day-35 (0') - CO & cond hole above fish. 8/2/83 2665 Pv/Yp: 1/1 MW: 8.3# (aerated) Vis: 26 Cont'd CO hole above fsh w/lime wtr & air. Hvy LCM bridge @ 2345'. CO to 2360'. ----(10-3/4" @ 1484")Day-36 (0') - Spt mud over fish. 8/3/83 2665 MW: 8.2# (aerated) Vis: 26 Cont'd CO to TOF @ 2420'. TOH SLM - corr'd depth of CO to 2477'. TIH. Circ & attempt to loc fish. Circ & spt mud. (10-3/4" @ 1484') 8/4/83 2665 (0') - Inspecting BHA. Day-37 MW: 8.3# (aerated) Vis: 26 Spt 250 BM over fsh. TOH. PU fshg tools & TIH. Wrk onto fsh & jar free. Chain out of hole & rec'd fsh. LD fshg tools & fsh. TIH w/DCs & inspect BHA. (10-3/4" @ 8/5/83 Day-38 (7-7/8"), 2170' (9-7/8") - Rmg hole to 9-7/8". 2665 MW: 8.4# (aerated) Vis: 26 Fin inspect BHA. PU 9-7/8" bit, chg out BHA. TIH. Rmd 7-7/8" hole to 9-7/8". Lost returns @ 1637'. Rmd thru bridge. Cont'd rmg w/lime wtr & _ ፣ ተማሰልነ 8/6-8/83 2750 Day-41 (85', 0', 0') - TOH & LD BHA. (10-3/4" @ 1484')MW: 8.5# (aerated) Vis: 65 Rmd 7-7/8" hole to 9-7/8" hole to 2750', w/tite hole @ 2259'. Circ & unload hole & drop survey. TOH - SLM. TIH & hit bridge @ 1661'. Wsh & rm thru bridge. TIH & hit bridge @ 1848'. Wsh & CO hole to 2530'. Stuck pipe & lost 100% returns. Wrk stuck pipe & attempt circ w/aerated lime wtr. Wrkd pipe free, wsh & rmd to 2750'. Spt 270 bbls gel-mud. TOH w/B#6. Stuck pipe @ 2617' & wrkd free. TOH & LD BHA. Prep to PU jars & TIH. Survey: 6° CONFIDENTIAL @ 2709'. 2750 Day-42 (0') - Circ aerated mud @ 2422'. 3/9/83 (10-3/4" @ 1484')MW: 8.5# (aerated) Vis: 33 Pv/Yp: 12/7 TIH, hit bridge @ 2462'. Unsuccessfully attempted to establish circ w/sml amt of returns: lost 1058 BM in 4 hrs. PU to 1904' & circ w/partial returns of WCM. Staged into hole by 3 stds to 2422' & hit bridge. 27244 /10/83 Day-43 (0') - Circ & cond hole w/aerated mud. 2750 (10-3/4" @ 1484') MW: 8.4# Vis: 29 Pv/Yp: 12/6 Wshd & rmd to btm, and circ'g. Day-44 (0') - NU BOP. 3/11/83 2750 (8-5/8" @ 2745') Circ & cond hole & POH. Ran 67 jts 8-5/8", 32#, K-55, STC csg. BJ cmtd w/150 sx Lite + 2% CaCl $_2$ + 1/4#/sx Celloflake, foll'd by 150 sx Cl "G" + 2% CaCl $_2$ + 1/4#/sx Celloflake w/o returns. WCC f/10 hrs & set slips w/70M# tension. (8-5/8" @ 2745') Day-45 (50') - Prep to POH. MW: 8.6# Vis: 38 P

Pv/Yp: 8/6

Fin NU BOPs. Schl ran CNL/CBL/VDL. Press tstd 8-5/8" csg & blind rams to

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- Page 2 of 3

3CO Oil and Gas Company ♦

Daily Well History—Interim

ructions: This form is used during driving or workover operations. If testing, coring, or perforating, show formation name in describing work performed, the said drill stem tests sequentially. Attach description of all cores. Work performed by Producing Section will be reported on "Interim" sheets until final poletion. Report official or representative test on "Final" form. 1) Submit "Interim" sheets when filled out but not less frequently than every 30 days, or (2) Wednesday of the week in which oil string is set. Submit weekly for workovers and following setting of oil string until completion.

	ode: EO	-20031			AFE #R-27228 State					
rict			Garfield State							
Roc:	ky Mount	ain	Lease or Unit			Well no.				
Wile	dcat		ALLEN FEE	(Antimony Ber	nch)	#1				
13–15	2800	Circ, survey 8 2500 psi. NU 1 BHA to csg sho 2-3/4° @ 2400	- Rig repair. POH. CO cellar, No	ps1, except killerrick & repair s 5-1/4° @ 2600',	spool & tstd pa ll & chk valve same. Surveys: 6° @ 2700', 6-	2° @ 2300',				
8/16/83	2800	Day-49 (0')	- Rig repair. CO	VFIDENTIAL (8-5)	/8" @ 2745')					
8/17/83	2800	Day-50 (0')	- 24 hrs rig repai	r. (8–9	5/8" @ 2745')					
8/18/83	2899	8/17/83. Wsh	- Drlg. derrick leg, RU f. rm to btm, strtd shed circ. Drld ah	loor & commenced drlg & lost cire	8" @ 2745') drlg operatio c @ 2873'. Mix	n @ 1900 hrs ed & pmpd 309				
8/19/83	3270	Day-52 (371' MW: 8.5# Drld 7-7/8" h) - Drlg. Vis: 54 Pv/Yp: ole to PD. Surveys	21/9	/8" @ 2745') & 3061'.					
8/20-22	3351	MW: 8.5# Drld to 3281' pill w/o succ FL in hole @ 3% CaCl ₂ + 15 TOC @ 3253'. additive. No where encount #3 w/200 sx T w/o success.	- WOC on plug #4. Vis: 49 Pv/Yp: & lost returns. Sees. Drld to PD w/1005'. RIH w/OE DP#/sx Gilsonite w/t PU w/tail @ 3075', returns. RIH w/bit ered firm cmt w/o Chixotropic + 3% Ca Attempted plug #4 & tagged FL @ 900'	18/9 ptd 250 bbls LCM o returns & POH w/plug catcher, ail @ 3075'. No pmpd another 15 , tagged TOC @ 3 returns. Tagged Cl ₂ + 15#/sx Gil w/200 sx Thixotr	sptd 150 sx Treturns. POH. 0 sx Thixotrop 248', drld cmt FL @ 915'. Att sonite + 10#/s	Stuck pipe. hixotropic + RIH & tagged ic cmt w/sam to 3321' empted plug x Cal-Seal				
8/23/83	56	MW: 8.5# Vi Filled hole w firm cmt to 2 RIH w/OE DP w + 3% CaCl ₂ +) - TIH while WOC s: 42 Pv/Yp: 14/9/water & hole staye 980'; lost returns /plug catcher to 2 15#/sx Gilsonite + & POH dry. CIP @ 2	6 ed full. RIH, tag . Drld ahead to 765' & spotted p. 10#/sx Cal-Seal	3043' w/o reti lug #5 w/100 s: . Plug sheared	9' & drld urns. POH. x Thixotropic				
8/24/83	57	MW: 8.5# Vi FIH, tagged T returns while returns, strt while drlg to cmt. POH. RIH Thixotropic + Cal-Seal mixe) - WOC; plug #6. s: 44 Pv/Yp: 16/9 OC @ 2813' & PU to WOC (total WOC f/ d having 50% retur 3087'. Drld cmt to w/OE DP w/plug ca 3% CaCl ₂ + 15#/sx d @ 14.0 ppg. Disp ared plug. FOH dry	2689'. Loaded ho 14-3/4 hrs). Drins @ 3073', then 3147' w/o return tcher to 3076'. So Gilsonite + 1/4: 1'd cmt & bmod p	ld cmt f/2689- lost complete rns w/final 9' Sptd Plug #6 w #/sx Flocele &	rc w/full 3073' w/full returns of hard /100 sx 10#/sx , pld 12 stds				
8/25/83	58	RIH, tagged c) - WO Mtn Air to mt @ 3011' & CO to e free & POH. RIH	3046'. PU to mai	ke conn & stuc	k. Circ &				

out of order.

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tructions: This form is used during or inglor workover operations. If testing, coring, or perforating, show formation name in describing work performed, mber all drill stem tests sequential. Attach describing of all cores. Work performed by Producing Section will be reported on "Interim" sheets until final appletion. Report official or representable test on "Final" form. 1) Submit "Interim" sheets when filled out but not less frequently than every 30 days, or (2) Wednesday of the week in which or string is set. Submit weekly for workovers and following setting of oil string until completion.

ict	EQ-20		County or Parish CONFI		State
Roc	ky Mou	ntain	Garfield		Utah
			Lease or Unit	(Antimony Bench	n) #1
	ldcat		ALLEN FEE day while drilling or workover in progress		-/
and depth 8:00 a.m.		Complete record for each	day willie dilling of warmen		
8/26/83	59	MW: 6.0# Cont'd WO	أحرسه أملقت والأراب	TOH & instl'd jet sub 3046-3351' w/aerated n	@ 1200' above bit mud, lost 250 BM.
8/27-29	62	1-1 O CII	BHA & calipered same.	(8-5/8" @ 274 8 RIH & drld ahead 7-7/8	
8/30/83	63	147.7 O 3H	(55') - Drlg. Vis: 26 Air: 1100 " hole to PD. Rmd tite	(8-5/8" @ 27) cfm e hole 3840-3862' & mad	
8/31/83	64	MW: 8.3# Drld 7-7/8	(123') - Drlg. Vis: 26 (Wtr) hole to PD w/aerated	(8-5/8" @ 274 wtr. Tite conn @ 3910' , drlg ahead.	

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RCO Oil and Gas Company

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	000	21	COMPLET	AFE	#R-27228
Prop Code	: EQ-200	31	County or Parish		State
rict	y Mounta	in	Garfield		Utah
d ROCK	y Modrica	.111	Lease or Unit		Well no.
Wild	cat		ALLEN FEE	(Antimony Bench	#1
e and depth	0	omplete record for each day w	hile drilling or workover in progress		
of 8:00 a.m.					
9/1/83	65	TD: 4055' (45') - Wshg bridge @ 3	975'. (8 - 5/8" @ 274	5')
3/ 1/ 00		2 I 7.73man			
		Drld 7-7/8" ho RIH w/B#9.	ole to PD & POH. Mag	naflux & Ultra Sonic I	nspection on bhas.
9/2/83	66	TD: 4148' (93'		(8-5/8" @ 274	
		Aerated Wtr Wsh & rm on b	ridge @ 3975' & POH	<pre>w/plugged bit. Staged & drld ahead to PD.</pre>	into hole brkg circ
	•	-			
9/3-6	70	Total		ged hole @ 4540'. (8	
		Drld 7-7/8" ha	1,1/0410 hrka circ 2	lugged jets. Chg'd out taking inclination su surveying @ 4100'. RIH	Tracks a 2200 a
9/7/83	71	TD: 4902' (26	4') - Drlg.	(8-5/8" @	2745')
		Aerated Wtr Rmd undergaug	ed hole to 4638' &	drld ahead to PD. Surv	ey: 7-1/2° @ 4600'. T:8000') Binkley
9/8/83	72	TD: 5293' (39	1') - Drlg.	(8-5/8" @	2745')
	·		nole to PD. Survey:	9-7/8° @ 5074'.	
9/9/83	.,230%	Aerated Wtr	5') - Drlg.	(8-5/8" @	2745')
<u>co</u>	W. D.	Aerated Wtr Drld 7-7/8" h	ole to PD.		
9/10-12	76	TD: 5696' (0'	, 0', 0') - TOH w/f	sh. (8-5/8" @	2745')
9/10-12	70	MW: 8.3# Drld to PD. V freept @ 4040 tool & RIH. 1 mud - no retu	Vis: 26 - Lime Wtr Wrkd stuck pipe. Spt O' & back off DP @ 4 Tag TOF @ 4092'. Scr urns. Jarred fsh 8'	100 bbl 60 vis pill. 1010' WLM. TOH - SLM. Frew into fsh & circ thrup hole. RU Dialog - for Dialog - for tools & TIH. Screw into bbl 100 bbl. RU Dialog - back off @ 40 bbl.	u bit w/aereated ind freept @ 4071'. 040' WLM. TOH - LD
he above is corre	ect	<u></u>			
ignature			Date	Title	

or form preparation and distribution ae Procedures Manual Section 10, brilling, Pages 86 and 87

District Drilling Superintendent WINTIAL

> Number all daily well history forms consecutively as they are prepared for each well. age no. 8

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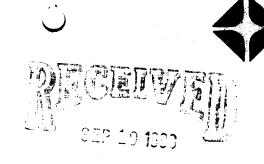
RCO Oil and Gas Company 🛟

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Prop Code	EQ-20	0031	County or Parish	ONFIDEN	CIAL		#R-2722 State	0
strict	cky Mour		Garfield (Utah			
ro.	ky Mour	icalii	Lease or Unit				_ , ,	Well no.
Wi.	ldcat		ALLEN FEE		(Antin	nony	Bench)	#1
te and depth of 8:00 a.m.		Complete record for each day w	hile drilling or workover in Pl	rogress				
9/13/83	5696	MW: 8.3# TOH w/s	Rmg to btm @ 39 Vis: 26 - Aerat fsh. LD fshg too 970' w/aerated n	ed Lime Wtr				:11 + mill.
9/14/83	5696	MW: 8.3# V: Cont'd rmg w/B:	Rmg to btm @ 568 is: 26 - Aerate #11 + mill to 41 B#11. TIH. Wsh 8	ed Lime Wtr 130'. Circ & c	cond hole			X & mill.
9/15/83	5798	MW: 8.3# V: Cont'd rmg to S	- MU BHA. is: 26 - Lime V 5696'. Drld to 5 pt hi-vis pill o Schl. Run DIL 8 . MU BHA.	Wtr. 5720'. Circ & on btm. TOH -	SLM, cor:	ogs. r'd F	Sht trip PD f/5720)' to 5798'
9/16/83	6065	Day-80 (267') - Aerated Lime Wt TIH w/bit & BHA		·	8 - 5/8" @ apg 294 G			air.
9/17 - 19	6900	Day-83 (835') - Aerated Lime Wt Drld 7-7/8" hol	r. : Le to PD w/TFB @	9 6490'. Surve		6490	٠.	
9/20/83	7040	Day-84 (140') Aerated Lime N Drld 7-7/8" ho) - Drlg. Witr. ole to PD.	ONFIDENT	AE-5/8"	@ 27	745')	
9/21/83	7050	Day-85 (10') Lime Wtr. Drld 7-7/8" he POH. Schl ran	- Logging. ole to PD. Made DLL/MSFL, FDC/	25 std sht ti CNL/GR/Calip {	(8-5/8" cip & spt & BHCS/GR	.d 250) bbls h	i vis pill.
9/22/83	7050	Wtr. Schl fin loggi	LD 4-1/2" DP - .ng. TIH w/OE DP D DP, mix & pmp	to 7000', mi	x & pmp 5	50 sx	5/8" @ 2 C1 "H"	
9/23/83	7050	2745') Set Plug #3 @ 100-0' w/50 ss	Surf - <u>FINAL REE</u> 3400-3200' w/80 x & sqz'd 60 sx rker. RR 0600 hr) sx, Plug #4 in 8-5/8" x l	@ 2800-2	700'	w/65 sx,	Plug #5 @

ARCO Oil and Gas C pany
Rocky Mounta District
707 17th Street
Mailing address: P.O. Box 5540
Denver, Colorado 80217
Telephone 303 575 7000

September 15, 1983



DIVISION OF CIL. CAS & MINISING

State of Utah
Department of Natural Resources
Divison of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Re: Monthly Report of Operations Well No. 1 (ALLEN FEE)

SW SW Sec. 3-31S-2W Garfield County, Utah

Gentlemen:

Attached, in duplicate, is the Monthly Report of Operations for the month of August, 1983, on the subject well.

This well is being drilled as a "Tight Hole" and we request that this information be held CONFIDENTIAL.

This well was spudded on June 28, 1983.

Very truly yours,

B. R. Still

R. R. Still, Supervisor Operations Information Group

jz

Attachment

Form DOGC-4

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL & GAS CONSERVATION

State Lease No._______
Federal Lease No.______
Indian Lease No.______
Fee & Pat.____Fee

1588 WEST NORTH TEMPLE SALT LAKE CITY, UTAH 84116 328-5771

TIGHT HOLE!!

REPORT OF OPERATIONS AND WELL STATUS REPORT

97 47	re	υı	tah		cou	JNTY	Garfield	FIEL	D/LEASE	Allen Fee
The	fallowir	no is a	corre	ct report	of operation	s and pro	oduction (includ	ding drilling	and produc	ing wells) for the mowth of:
								ARCO Atlan	Oil and tic Rich	Gas Co., Div. of nfield Company
Agen	t's Addı	ess_P	enve	er, Co	540 . 80217					i. Info. Group
					7234			Supvr	·, Opin	8. IIII 0. GI. GE. G.
Phon	ie No									REMARKS
:, and of ¼	Twp.	Range	Well No.	. Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Galions of Gasoline Recovered	Barrels of Water (if none, so state)	(If drilling, depth; if shut down, cause; date and result of test for coscline content of sas)
W SW ec.3	315	2W	1	0	0	0	0	0	0	Well spudded, 6-28-83.
										(See Attached Drilling Report)
										TIGHT HOLE!! PLEASE KEEP CONFIDENTIAL.
					,					
G/	AS: (M	CF)			0		OIL	or CONDEN	ISATE: (To	be reported in Barrels) onth
	Sold	Venter	 -i		0 0 0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Pr	aduced dur	ing month	
	10	n/Off	Lease		0		Sc U	navoidably l	OST	0
								Reas	on:	***************************************
							0	n hand at er	nd of month.	U

RCO	Oil	änd	Gas	Comp	any	<>

uctions: This form is used during drilling or worko er operations. If testing, coring, or perforating, show formation name in describing work performed, ber all drill stem tests sequentially. Attach description of all cores, Work performed by Producing Section will be reported on "Interim" sheets until final pletion. Report official or representative test on "Final" form. 1) Submit "Interim" sheets when filled out but not less frequently than every 30 days, or (2) rednesday of the week in which oil string is set. Submit weekly for workovers and following setting of oil string until completion.

Page 10%

AFE #R-27228 Garfic CONFIDENTIAL Prop Code: EQ-20031 County or Parish Utah Rocky Mountain Well no. ease or Unit (Antimony Bench) #1 ALLEN FEE Wildcat 7/30-8/1/83 Day-34 (0') - CO & cond hole above fish. (10-3/4" @ 1484")2665 MW: 8.3# (aerated) Vis: 26 Attempt to screw into fsh @ 2420' - no success. TOH & chg out fshg tools. TIH & plugged string. RU Dialog & attempt to unplug - no success. TOH & CO fsg tools. TIH w/fshg tools, wsh & rm to TOF. Attempt to get over fish no success. Circ & cond hole. TOH & chg out fshg tools. TIH & wsh to TOF. No success & TOH. MU OS w/wall hook & knuckle jt & TIH. Wsh & rm bridge @ 2240' - hole tite. TOH & LD fshg tools. TIH w/B#4 (RR) to cond hole. Wrkd hole to CO & TOH to unplug bit. TIH & CO & cond hole to 1965'. (10-3/4" @ 1484')Day-35 (0') - CO & cond hole above fish. 8/2/83 2665 Vis: 26 Pv/Yp: 1/1 MW: 8.3# (aerated) Cont'd CO hole above fsh w/lime wtr & air. Hvy LCM bridge @ 2345'. CO to (10-3/4" @ 1484') Day-36 (0') - Spt mud over fish. 2665 8/3/83 MW: 8.2# (aerated) Vis: 26 Cont'd CO to TOF @ 2420'. TOH SLM - corr'd depth of CO to 2477'. TIH. Circ & attempt to loc fish. Circ & spt mud. (10-3/4" @ 1484')2665 Day-37 (0') - Inspecting BHA. 3/4/83 MW: 8.3# (aerated) Vis: 26 Spt 250 BM over fsh. TOH. PU fshg tools & TIH. Wrk onto fsh & jar free. Chain out of hole & rec'd fsh. LD fshg tools & fsh. TIH w/DCs & inspect BHA. (10-3/4" @ (7-7/8"), 2170' (9-7/8") - Rmg hole to 9-7/8". Day-38 8/5/83 2665 1484') MW: 8.4# (aerated) Vis: 26 Fin inspect BHA. PU 9-7/8" bit, chg out BHA. TIH. Rmd 7-7/8" hole to 9-7/8". Lost returns @ 1637'. Rmd thru bridge. Cont'd rmg w/lime wtr & air. _ 1.470M3 8/6-8/83 Day-41 (85', 0', 0') - TOH & LD BHA. (10-3/4" @ 1484') 2750 MW: 8.5# (aerated) Vis: 65 Rmd 7-7/8" hole to 9-7/8" hole to 2750', w/tite hole @ 2259'. Circ & unload hole & drop survey. TOH - SLM. TIH & hit bridge @ 1661'. Wsh & rm thru bridge. TIH & hit bridge @ 1848'. Wsh & CO hole to 2530'. Stuck pipe & lost 100% returns. Wrk stuck pipe & attempt circ w/aerated lime wtr. Wrkd pipe free, wsh & rmd to 2750. Spt 270 bbls gel-mud. TOH w/B#6. Stuck pipe @ 2617' & wrkd free. TOH & LD BHA. Prep to PU jars & TIH. & @ 2709'. Survey: 6° 2750 Day-42 (0') - Circ aerated mud @ 2422'. (10-3/4" @ 1484') /9/83 MW: 8.5# (aerated) Vis: 33 Pv/Yp: 12/7 TIH, hit bridge @ 2462'. Unsuccessfully attempted to establish circ w/sml amt of returns: lost 1058 BM in 4 hrs. PU to 1904' & circ w/partial returns of WCM. Staged into hole by 3 stds to 2422' & hit bridge. 2750 Day-43 (0') - Circ & cond hole w/aerated mud. /10/83 (10-3/4" @ 1484') Vis: 29 Pv/Yp: 12/6 Wshd & rmd to btm, and circ'g. (8-5/8" @ 2745') Day-44 (0') - NU BOP. 2750 3/11/83 Circ & cond hole & POH. Ran 67 jts 8-5/8", 32#, K-55, STC csg. BJ cmtd w/150 sx Lite + 2% CaCl₂ + 1/4#/sx Celloflake, foll'd by 150 sx Cl "G" + 2% CaCl₂ + 1/4#/sx Celloflake w/o returns. WCC f/10 hrs & set slips w/70M# tension. (8-5/8" @ 2745') Day-45 (50') - Prep to POH. MW: 8.6# Vis: 38 P 2800 /12/83 Pv/Yp: 8/6

Fin NU BOPs. Schl ran CNL/CBL/VDL. Press tstd 8-5/8" csg & blind rams to

_ Page 2 of 3

Daily Well History—Interim

RCO Oil and Gas Company 💠

cructions: This form is used during driving or workover operations. If testing, coring, or perforating, show formation name in describing work performed, note all drill stem tests sequentially. Attach describing of all cores. Work performed by Producing Section will be reported on "Interim" sheets until final notetion. Report official or representative test on "Final" form. 1) Submit "Interim" sheets when filled out but not less frequently than every 30 days, or (2) Wednesday of the week in which oil string is set. Submit weekly for workovers and following setting of oil string until completion.

					AFE #R-27	7228
Prop Co	ode: EO	-20031	County or Parish		State	e
	ky Mounta	ain	Garfield			Utah
d			Lease or Unit	(Antimony	Pench)	#1
Wild /13-15	2800	Circ, survey 2500 psi. NU	ALLEN FEE - Rig repair. & POH. CO cellar, BOPs & tstd to 30 noe, RD floor, LD O', 4-1/2° @ 2500'	(8-5/8" @ ND BOPs, NU c 00 psi, except	2745') sg spool & ts kill & chk v ir same. Surv	revs: 2° @ 2300',
8/16/83	2800	Day-49 (0')	- Rig repair. CC	NFIDENTI	AL 8=5/8" @ 2745	51)
8/17/83	2800		- 24 hrs rig repa		(8-5/8" @ 274	15')
8/18/83	2899	8/17/83. Wsh	december 100 DII	floor & commer d drlg & lost	3-5/8" @ 2745 nced drlg open circ @ 2873'.	ration @ 1900 hrs, . Mixed & pmpd 30%
8/19/83	3270	Day-52 (371 MW: 8.5# Drld 7-7/8"	') - Drlg. Vis: 54 Pv/Yr hole to PD. Survey	o: 21/9	(8-5/8" @ 274! 954' & 3061'.	
8/20-22	3351	MW: 8.5# Drld to 3281 pill w/o suc FL in hole @ 3% CaCl ₂ + 1 TOC @ 3253'. additive. No where encoun #3 w/200 sx w/o success.) - WOC on plug #4 Vis: 49 Pv/Y ' & lost returns. ccess. Drld to PD v ! 1005'. RIH w/OE ! 5#/sx Gilsonite w, PU w/tail @ 3075 o returns. RIH w/b ntered firm cmt w/o Thixotropic + 3% Attempted plug # C & tagged FL @ 90	sptd 250 bbls // Sptd 250 bbls // oreturns & I // pw/plug catcl /tail @ 3075'. / pmpd anothe it, tagged TOC oreturns. Tag CaCl ₂ + 15#/sx 4 w/200 sx Thi	ner, sptd 150 No returns. r 150 sx Thix @ 3248', drl ged FL @ 915' Gilsonite +	ed @ 40-50% LCM eing stuck pipe. sx Thixotropic + POH. RIH & tagged otropic cmt w/same d cmt to 3321' . Attempted plug 10#/sx Cal-Seal
8/23/83	56	MW: 8.5# V Filled hole firm cmt to RIH w/OE DP: + 3% CaClo +	') - TIH while WOX is: 42 Pv/Yp: 14 w/water & hole sta 2980'; lost return w/plug catcher to 15#/sx Gilsonite & POH dry. CIP @	4/6 ayed full. RIH, ns. Drld ahead 2765' & spotte + 10#/sx Cal-9	, tagged TOC (d to 3043' w/o ed plug #5 w/l Seal. Plug sho	100 sx Thixotropic
8/24/83	57	MW: 8.5# V FIH, tagged returns whil returns, str while drlg t cmt. POH. RI Thixotropic Cal-Seal mix	O') - WOC; plug #6. Vis: 44 PV/Yp: 10 TOC @ 2813' & PU Le WOC (total WOC) Tot having 50% returns TOO 3087'. Drld cmt TOO 3087'. Drld cmt	to 2689'. Loade f/ 14-3/4 hrs) urns @ 3073', to 3147' w/o catcher to 3076 sx Gilsonite + spl'd cmt & bm	ed hole w/wtr. Drld cmt f/: then lost compreturns w/fin. 6'. Sptd Plug 1/4#/sx Floce	plete returns al 9' of hard #6 w/100 sx ele & 10#/sx 5 hrs. pld 12 stds
8/25/83	58	bannet urg	o') - WO Mtn Air to comt @ 3011' & CO ipe free & POH. RI	to 3046'. PU to	o make conn &	stuck. Circ &

out of order.

RCO Oil and Gas Company 🛟

ructions: This form is used auring at ing or workover operations. If testing, coring, or perforating, show formation name in describing work performed, the producing Section will be reported on "Interim" sheets until final poletion. Report official or representative test on "Final" form. It Submit "Interim" sheets when filled out but not less frequently than every 30 days, or (2) wednesday of the week in which a string is set. Submit weekly for workovers and following setting of oil string until completion.

Duran Cada	EO 200		ONFIDENTIAL	AFE #R-27228	
Prop Code:	EQ-200	County or Parish		State	
Poo	ky Mou			Utah	Well no.
d ROC	Ky MOU	Lease or Unit		l- \	#1
Wi	ldcat	ALLEN FEE		ony Bench)	#
e and depth of 8:00 a.m.		Complete record for each day while drilling or workov	er in progress		
8/26/83	59	TD: 3360' (9') - Circ f/T MW: 6.0# Vis: 40 Cont'd WO air drlrs. Cond TIH. RU air drlg equip. I Drld to 3360'. Circ & pre	Pv/Yp: //6 (derate d'd mud. TOH & instl'd orld cmt 3046-3351' w/	d jet sub @ 1200 /aerated mud, lo	' above bit. st 250 BM.
8/27-29	62	TD: 3832' (472') - Drlg. MW: 8.6# Vis: 34 Pr FOH, chg'd BHA & calipere w/aerated mud.	z/vn: 7/8	5/8" @ 2745') head 7-7/8" hole	e to PD
8/30/83	63	TD: 3887' (55') - Drlg. MW: 8.3# Vis: 26 A Drld 7-7/8" hole to PD. jet-sub.	ir: 1100 cfm	5/8" @ 2745') 62' & made a tri	ip to chk
8/31/83	64	TD: 4010' (123') - Drlg. MW: 8.3# Vis: 26 (Wt Drld 7-7/8" hole to PD w/ & jarred loose. Circ & co	r) Maerated wtr. Tite con	5/8" @ 2745') nn @ 3910', stuc	k bit @ 3980'

CONFIDENTIAL

Form 9-331 Dec. 1

Form Approved.

Dec. 1973			Budge	t Buratu No. 42-R1424
UNITED STATES	Γ	5. LEASE		na Li
DEPARTMENT OF THE INTERIOR		FEE	No. of the last of	
GEOLOGICAL SURVEY		6. IF INDIAN	ALLOTTEE	OR TRIBE NAME
SUNDRY NOTICES AND REPORTS OF	N WELLS	7. UNIT AGR	EEMENT N	
(Do not use this form for proposed to drill or to deepen or plug to reservoir. Use Form 9-324-41 for a seri proposals.)	ack to a different	O FARM OR	LEASE NI	VISION OF
reservoir, use Form 9-33-13-10) above proposals.		Allen Eee	LENSE INMIN	AS & MINIMO
1. oil GONT sas under well well other X]	9. WELL NO.		'NO A WINNING
2. NAME OF OPERATOR ARCO Oil and Gas C	Company	1		
Division of Atlantic Richfield Com	npany	10. FIELD OR	WILDCAT N	AME
3. ADDRESS OF OPERATOR		Wildcat		
P.O. Box 5540, Denver, Colorado 8	30217		R., M., OR B	LK. AND SURVEY OF
4. LOCATION OF WELL (REPORT LOCATION CLEARLY	. See space 17	AREA		
below.) AT SURFACE: 725' FSL & 505' FWL	 -	3-31S-2W	20 040/01/	12 07475
AT SURFACE: /25' FSL & 505' FWL AT TOP PROD. INTERVAL:		12. COUNTY	JR PARISH	
AT TOTAL DEPTH: Approx the same	 -	Garfield 14. API NO.		Utah
16. CHECK APPROPRIATE BOX TO INDICATE NATUR		43-107-30	1118	
REPORT, OR OTHER DATA		15. ELEVATIO	NS (SHOW	TOT AHDB. AND WD
REQUEST FOR APPROVAL TO: SUBSEQUENT R		6380' (6 0	NFIDER	ALDB, AND WD
REPAIR WELL PULL OR ALTER CASING MULTIPLE COMPLETE CHANGE ZONES ABANDON* (other)			: results of mu e on Form 9–	itiple completion or zon
17. DESCRIBE PROPOSED OR COMPLETED OPERATIO including estimated date of starting any proposed of measured and true vertical depths for all markers are Present status: 10-3/4" casing cemercore #2 1510'-1518', Core #3 1518'-1484'-1518'; 8-5/8" casing cemented	work. If well is directly a servine we have a servine when the directly and the servine when the servine we have a servine when the servine when the servine we have a servine when the servine when the servine we have a servine when the servine when the servine when the servine we have a servine when the servine	ectionally drille to this work.)* 4' KB; Cor #1 1484'-1	e d, give sub ce #1 15 L518', D	04'-1510', ST #2
of 7050'. Logged. Formation tops:	}			
Base of Volcanics 147	75† T.s	ynch	4556 '	
Red Wall 320		ax Field	5646'	
Ouray 412	_	phir	6300 '	
Elbert 436		intic	6650 '	
(SEE ATTACHED)			٠	
Subsurface Safety Valve: Manu. and Type			Set	@ F
18. I hereby certify that the foregoing is true and correct				
- <i>1</i>	perations Mar	nager	9-	26-83
W.A. Walther, Ir.				
(This space for	Federal or State office		=	
APPROVED BY TITLE CONDITIONS OF APPROVAL, IF ANY:	Al	PPROVED	BY THE	SIALE ON.OF

OF UTAH DIVISION OF OIL, GAS, AND WINING

*See Instructions on Reverse Side

ALLEN FEE #1 SW SW Section 3-31S-2W Garfield County, Utah

Propose to P & A as follows:

Plug	#1	7000'-6900'
Plug	#2	5500'-5300'
Plug	#3	3400 -3200
Plug		2800'-2700'
Plug		50'- 0'
Plug		20'- 0'

All plugs except surface plug should be preceded and followed by 10 bbl water spacer.

Verbally approved by Ron Firth. Utah Oil and Gas Commission, to Suzanne Barnes, ARCO Oil and Gas Commission @ 11:15 am 9-21-83.

HOLE

Form 9–331 Dec. 1973				t Bureau No. 42-F	21424			
UNITED DEPARTMENT OF	R		5. LEASE FEE					
GEOLOGICA				6. IF NA	INDIAN, A	LLOTTEE	OR TRIBE NAM	E
SUNDRY NOTICES AND	REPORTS C	N WEL	LS	NA			ME-70 1957	N. 10
Do not use this form for proposals to dril eservoir, Use Form 9-331-C for such prop	osals.)	, back to a c		8. F	ARM OR LE	ASE NAM	ASMA OF	
1. OHDENTI gas				A11	len Fee		AC PARINI	
well other	r X				ELL NO.	%	TU OF HHIMI	N.5.1
2. NAME OF OPERATOR ARCO	Oil and Gas	Compan	y -	1				
Division of Atlantic R	ichfield Com	pany			I <mark>ELD OR W</mark> Ldcat	ILDCAT N	AME	
3. ADDRESS OF OPERATOR			-			M OP B	LK. AND SURVE	Y OR
P.O. Box 5540, Denver,	Colorado 8	0217			REA	M., OK B	ER. AND SORVE	-, 01
4. LOCATION OF WELL (REPORT	LOCATION CLEARL	.Y. See spa	ace 1/		31S-2W			
below.) AT SURFACE: 725' FSL	& 505' FWL		-			PARISH	13. STATE	
AT TOP PROD. INTERVAL:				Gar	field		Utah	
AT TOTAL DEPTH: Approx	the same			14. A	PI NO.			
6. CHECK APPROPRIATE BOX TO	INDICATE NATU	RE OF N	OTICE,	43-	-107 <u>30</u> :	118		
REPORT, OR OTHER DATA				15. E	LEVATION	S ASHOW	DF, KDB, AND	WD)
REQUEST FOR APPROVAL TO:	SUBSEQUENT	DEDODT	OE.	638	(01) 存在	17.		
REPAIR WELL PULL OR ALTER CASING MULTIPLE COMPLETE CHANGE ZONES ABANDON* (other)	X X			·	change o	on Form 9–		
17. DESCRIBE PROPOSED OR COI including estimated date of sta measured and true vertical dep	arting any proposed	i work. It v	well is di	rection	any drined	tails, and , give sub	give pertinent surface location	dates, is and
Finished logging.	Plugged and	abandor	ned as	fol!	lows:			
Plug #1 70	00' - 6900'	50 sx	Class	''H''	cement			
	00' - 5300'	80 sx			cement			
U	00' - 3200'				cement			
Plug #4 28	300 ' - 2700'	65 sx	Class	"H"	cement			
Plug #5 2	00' - 0'	60 sx	${\tt Class}$	''H''	cement	betwe	en 10-3/4"	$\times 8-5/$
Plug #6 1	.00' - 0'	50 sx	Class	"H"	cement			
Weld on dry hole ma Released rig @ 6:00 Cleaning location.	am 9-23-83.							
Subsurface Safety Valve: Manu. and	1 Type					Set	@	Ft.
18. I hereby certify that the foregoing								
10. Thereby certify that the foregon	_					_	06.00	
SIGNED WALTER	TITLE O	peratio	ons Ma	nage	TDATE	9.	_26_83	
w.A. warther. J	(This space f	or Federal o	r State offi	ice use)				
						~ ~~		
APPROVED BY	TITLE			OF L	JTAH D	IVIBIC		
			DV.	OIL, TE:	GAS, A	M PC	TINE	

*ADVISE DIVISION WHEN LOCATION IS PEARLY
FOR PURE INSPECTION:

	CIAII	-U -) I 🖵 I =		
DEPART	MENT	OF	THE	INTER	OR
			-::	·= · ·	

(See other instructions on Structions on Str

	GEO	LOGIC/				rev	erse side)	FEE		
- 446					EPORT A	ND I C)G *		ALLOTTE	EE OR TRIBE NAM
	MELPENTIA	RECO	MPLETIC	א אכ	EPORT A	IND EC		NA		1) (P
. TYPE OF WELL	WELL WELL	GAS WELL	DR.	<u>x</u> 0	ther			T. UNIT AGRE	EMENT 8	ANE
. TYPE OF COMP			DIFF.	_	•			NA S. FARM OR I	EASE NA	ME
NEW X	WORK DEEP-	PLTG BACK	RESVI	s o	ther			Allen	Fee	
. NAME OF OPERATO							SO.	MACRELL NO.		
ARCO Oil a	nd Gas Compan	y, Divis	sion of	Atlar	itic Rich	<u>field (</u>	Company	POVO	~ .	
ADDRESS OF OPER.	ATOR							10. FIELD AN		OR WILDCAT
P.O. Box 5.	540, Denver,	Colorado	0 8021	icith any	State requiren	nents)*		Wildca		
	725' FSL & 50			-				11. SEC T., F	, м., ок	BLOCK AND SURVE
	• = =	J FWL			SWS	3ω				
At top prod. inte	rval reported below							3-31S-	21.7	
At total depth	Appro	x the s		API	#43- 107 -	30118		12. COUNTY (13. STATE
			14. PER			ATE ISSUED		PARISH		Utah
				Stout		4-26-8	33	Garfie	19. EL	EV. CASINGHEAD
	16. DATE T.D. REACH	1				ELEVATIONS 880 GL	6395 K		1	
6-28-83	9-21-83 21. PLUG. BA		& A 9-			23. 13	NTERVALS	ROTARY TOO	LS	CABLE TOOLS
7050 TOTAL DEPTH. MD 3	1	e P & A	1	HOW MA	NON		RILLED BY	0-7050	ļ	
	VAL(S), OF THIS COM			NAME (M)		<u> </u>			25.	WAS DIRECTIONAL SURVEY MADE
. PRODUCTING IN LOS	, and (3), or 13333									
NONE PLUG	GED AND ABANI	ONED								N0
	ND OTHER LOGS RUN		Augin Self-Name							WELL CORED
CNL/F	DO DI/SFL		/MSFL						YE	79
١.					rt all strings	set in well)	CEMENTING	PECORD		AMOUNT PULLED
CASING SIZE	WEIGHT, LB./FT.	DEPTH S	ET (MD)	HOL	E SIZE				-	
16"	65#	108	'KB				sx Clas		-	NONE
10-3/4"	40.5#	1484			<u>-3/4"</u>		sx pozn			NONE NONE
8-5/8"	32#	2745	'KB	9	-7/8''	300	SX IILE	& Class	_ _	NONE
9.	LIV	ER RECORI	<u> </u>			30.		TUBING RECO	ORD	
SIZE		TOM (MD)	SACKS CE	MENT*	SCREEN (MD) SI	ZE	DEPTH SET (M	(Q.	PACKER SET (MD
	N(_		NONE		
		<u> </u>	-							
. PERFORATION REC	CORD Interval, size c	nd number)			32.	ACID. SH		TURE, CEMEN		
					DEPTH INTE	ERVAL (MD)	A3	TOUNT AND KIN	D OF MA	TERIAL USED
NONE P &	A					110115				
						NONE	P&A			
					ļ		_			
		·		PROT	UCTION		<u></u>			
3.* ATE FIRST PRODUCT	ION PRODUCTI	ON METHOD	(Flowing, g		imping—size a	nd type of	pump)	WELL	STATUS	(Producing or
					& A				(t-in) 	
ATE OF TEST	HOURS TESTED	CHOKE SIZI		N. FOR	OIL-BBL.	5.15-	-MCF.	WATER-BB	L. G	AS-OIL RATIO
			TEST	PERIOD	& A					
LOW. TUBING PRESS.	CASING PRESSURE	CALCULATED		BBL.	GAS>	ICF.	WATER	-BBL.	OIL GRA	AVITY-API (CORR.)
				P	& A			: TEST WITNE	SSED BY	
4. DISPOSITION OF	GAS (Sold, used for fue	i, vented, etc	;.)					1531 "1176		
5. LIST OF ATTACH	VENTS							:		
	above and Da	ilv Wel	1 Histo	rv						
2 OI #20 36. I hereby certify	that the foregoing a	nd attached	information	a is comp	lete and corre	ct as deter	mined from	all available	records	
									0	-29-83
SIGNED W	AWalth	C /K/	LI/ TI	TLE _	Operation	s Manag	ger	DAT	E9	-27-03

or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types efectric, etc.), formation and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35. General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency,

item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Pederal requirements. Consult local State

Hem 12 Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Hem 12 Indicate which elevation is used as reference (where not otherwise shown) for more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval and activity is completed for separately produced, only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Hem 29: "Sacks (Coment"): Attached supplemental records for this well should show the details of any multiple stage comenting and the location of the cementing tool.

Hem 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.) or Pederal office for specific instructions.

						•	-				*.
	2										
GEOLOGIC MARKERS	Habitan Britan Habitan System		1475	3204	4122	4366	4556	2646	63001	10599	
	NANK		Base of Volcanics	Red Wall	Ouray	Elbert	Lynch	Max Field	Ophir	Tintic	
RED INTERVALS; A	DESCRIPTION, CONTENTS, FTC.										
OSITY AND CONTENTERS THE TOOL OF	MOLLLOM		·								
US ZONES: PANT ZONES OF FOR TESTED, CUSHION O	Tor										
37. SUMMARY OF POROUS ZONES: SHOW ALL IMPURTANT ZONES OF DEETH INTERNAL TESTED, CUSH	FORMATION		SEE ATTACHED								

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ARCO Oil and Gas Company
Rocky Mounta District
707 17th Street

Mailing address: P.O. Box 5540 Denver. Colorado 80217 Telephone 303 575 7000

October 11, 1983



State of Utah
Department of Natural Resources
Divison of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Re: Monthly Report of Operations
Well No. 1 (ALLEN FEE)
SW SW Sec. 3-31S-2W
Garfield County, Utah

Gentlemen:

Attached, in duplicate, is the Monthly Report of Operations for the month of September, 1983, on the subject well.

This well is being drilled as a "Tight Hole" and we request that this information be held CONFIDENTIAL.

This well was spudded on June 28, 1983.

Very truly yours,

5. R. Stilligg

B. R. Still, Supervisor Operations Information Group

jΖ

Attachment

Form DOGC-

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL & GAS CONSERVATION

1588 WEST NORTH TEMPLE

State Lease No
Federal Lease No.
Indian Lease No
Fee & Pat. Fee

SALT LAKE CITY, UTAH 84116 328-5771

TIGHT HOLE!!

REPORT OF OPERATIONS AND WELL STATUS REPORT

STAT	`E	Ut	ah		cou	NTY	Garfield	FIEL	D/LEASE	Allen Fee
The	fellowin	ng is a	corre	ct report		and pro	oduction (includ	ding drilling	and produc	ing wells) for the morth of:
Agen	t's Addi	ess P	o. enve	Box 5	540 . E0217		Compar	Atlan	tic Rich	nfield Company S. Info. Group
Phon	e No	(303)	293-	7234		Title	DODVI		
and	Two	Range	Weil No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barreis of Water (if none, so state)	REMARKS (If drilling, depth; if shut down, cauce; date and recult of test for cascline content of ses)
V SW	315	2W	1	0	0	0	0	0	0	Well spudded, 6-28-83.
										Plugged and Abandoned 9-23-83.
										TIGHT HOLE!! PLEASE KEEP CONFIDENTIAL.
										<i>*</i>
						1				
					/					
	:									·
GA	s: (MC	 :F)	<u> </u>				OIL o	r CONDEN	SATE: (To t	pe reported in Barrels)
	Sold	/cnted			0	1	So Ur	oduced during me ld during me lavoidably lo Reaso	ng month onth ost on:	onth0

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RCO Oil and Gas Company 🛟

tructions: This form is used during drilling or workover operations. If testing, coring, or perforating, show formation name in describing work performed, more ail drill stem tests sequentially. Attach description of all cores. Work performed by Producing Section will be reported on "Interim" sheets until final more ail drill stem tests sequentially. Attach description of all cores. Work performed by Producing Section will be reported on "Interim" sheets until final more ail drill stem tests sequentially. Attach description of all cores. Work performed by Producing Section will be reported on "Interim" sheets when filled out but not less frequently than every 30 days, or (2) wednesday of the week in which oil string is set. Submit weekly for workovers and following setting of oil string until completion.

. Codo	. <u>₽</u> ∩_3∩	031	ty or Parish Garfield CONFII a or Unit	-NTIAL AFT	E #R-2722	8
Prop Code:	EQ-20	Count	ty or Parish	DEN	State Utah	
Roc	ky Moun	tain	Garfield CON		Ocarr	Well no.
d		Lease	ALLEN FEE	(Antimony	Bench)	#1
wl.	<u>ldcat</u>	Complete record for each day while dri				
of 8:00 a.m.						
9/13/83	5696	MW: 8.3# Vis:	to btm @ 3970'. 26 - Aerated Lime LD fshg tools. Four w/aerated mud.	Wtr		‡11 + mill.
9/14/83	5696	MW: 8.3# Vis: Cont'd rmg w/B#ll	to btm @ 5684'. 26 - Aerated Lime ' + mill to 4130'. Ci . TIH. Wsh & rm to	Wtr rc & cond hole. TO		∝ & mill.
9/15/83	5798	Cont'd rmg to 5696 Circ & cond, spt h	26 - Lime Wtr. '. Drld to 5720'. C i-vis pill on btm.' l. Run DIL & BHCS 5	TOH - SLM, corr'd	Sht trip PD f/5720)' to 5798'
9/16/83	6065	Day-80 (267') - Dr. Aerated Lime Wtr. TIH w/bit & BHA & G	lg. drld 7-7/8" hole to	(8-5/8" @ 274 PD pmpg 294 GPM w		air.
9/17-19	6900	Day-83 (835') - Dri Aerated Lime Wtr. Drld 7-7/8" hole to	o PD w/TFB @ 6490'.		0'.	
9/20/83	7040	Day-84 (140') - Aerated Lime Wtr. Drld 7-7/8" hole	orlg.	ENTIAB-5/8" @ 2	?745')	
9/21/83	7050	Day-85 (10') - Lo Lime Wtr. Drld 7-7/8" hole POH. Schl ran DLL	ogging. to PD. Made 25 std L/MSFL, FDC/CNL/GR/C	(8-5/8" @ 27 sht trip & sptd 25 Calip & BHCS/GR/HD	50 bbls h	i vis pill.
9/22/83	7050	Wtr. Schl fin logging. PU to 5500', LD D	4-1/2" DP - P & A in TIH w/OE DP to 7000 P, mix & pmp 80 sx 0	0', mix & pmp 50 s cl "H" (Plug #2).	x Cl "H"	(Plug #1).
9/23/83	7050	2745') Set Plug #3 @ 340 100-0' w/50 sx &	6 - FINAL REPORT - W 10-3200' w/80 sx, Pl sqz'd 60 sx in 8-5/ 1. RR 0600 hrs 9/23/	ug #4 @ 2800-2700' 8" x 10-3/4" annul	w/65 sx	, Plug #5 @

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tructions: This form is used during drilling or workover operations. If testing, coring, or perforating, show formation name in describing work performed, not all drill stem tests sequentially. Attach description of all cores. Work performed by Producing Section will be reported on "Interim" sheets until final noticion. Report official or representative test on "Final" form. 1) Submit "Interim" sheets when filled out but not less frequently than every 30 days, or (2) Vednesday of the week in which oil string is set. Submit weekly for workovers and following setting of oil string until completion.

			CONFIDE	TIME	
Prop Code:	FO-200	31		AFE	#R-27228
Prop Code:		C	ounty or Parish		Utah
	Mounta	in	Garfield		Well no.
1.00.17		Le	ease or Unit	(Antimony Bench) #1
Wildo	cat	complete record for each day while	ALLEN FEE	(Alternois) Beneri	<u></u>
and depth f 8:00 a.m.		complete record for each day willie	urining of well-		
			-		
9/1/83	65		- Wshg bridge @ 39	75'. (8-5/8" @ 274	5')
		Aerated Wtr	to DD c DOU Magr	naflux & Ultra Sonic I	nspection on BHAs.
		Drid 7-//8" nois	; to PD a Pon. Pag.	arran a order or	
9/2/83	66	TD: 4148' (93')	- Drlg.	(8-5/8" @ 274	.5')
<i>3,</i> 2 , 00		Aerated Wtr	. 0 20751 5 POU :	w/plugged bit. Staged	into hole brkg cir
		Wsh & rm on brid	ige @ 39/5; & POR V	drld ahead to PD.	
	\	@ 2/00, & 3/00	, NIM 120 CO DO. C		
					- = /0" A 27/15!)
9/3-6	70	TD: 4638' (490') - Rmg under-gauge	ed hole @ 4540'. (8	3-5/6 G 2/45 /
	•	C / - O 1 DTTT	TOUTO SEVER CIPC Y	ugged jets. Chg'd out taking inclination su urveying @ 4100'. RIH	7F 4C 4C 6 22 6 ~
9/7/83	71	TD: 4902' (264') - Drlg.	(8-5/8" @	2745')
9/ 1/ 03	, _	1		rld ahead to PD. Surve	ey: 7-1/2° @ 4600'.
				10 T (011 0	
9/8/83	72	TD: 5293' (391') - Drlg.	(8-5/8" @	2/45')
, ,		Aerated Wtr Drld 7-7/8" hol	le to PD. Survey: 9	-7/8° @ 5074'.	
		Aerated Wtr		(8-5/8" @	2745!)
9/9/83	130 E	D: 5696' (4-5') - Drlg.	(0-5/6	2/43 /
CO		Drld 7-7/8" hol	e to PD.		
				sh. (8-5/8" @	2745!)
9/10-12	76	1 0 01 77-	0', 0') - TOH w/fs is: 26 - Lime Wtr	•	
			a severe sino. Ent	100 bbl 60 vis pill.	RU Dialog - fnd
			s book off DD 6 /II	HIII: WIM. NOT T SIME F	o extra br a rong
			. mon a innai core	SW INTO TSH & CILC UIL	d Die Waczese
		3	as Tarred ten X'l	up hole. RU Dialog - f Dialog - back off @ 4	IN LLOOPE C 10/1 I
		Cont'd jarring	- jars lalled. RU	tools & TIH. Screw i	nto fsh. Jarred fsl
		loose & TOH.	Je Dr. Fo new rong	, - 	

For form preparation and distribution as Procedures Manual Section 10, Orilling, Pages 86 and 87

he above is correct

ignature

District Drilling Superintendent -J. CIUENTIAL

Date

9/23/83 7050

Day-87 PB: Surf - FINAL REPORT - WELL P & A, 9/23/83. (8-5/8" @ 2745')
Set Plug #3 @ 3400-3200' w/80 sx, Plug #4 @ 2800-2700' w/65 sx, Plug #5 @ 100-0' w/50 sx & sqz'd 60 sx in 8-5/8" x 10-3/4" annulus. ND BOPs & instl'd DH marker. RR 0600 hrs 9/23/83.

9/13/83	5696	Day-77 (0') - Rmg to btm @ 3970'. (8-5/8" @ 2745') MW: 8.3# Vis: 26 - Aerated Lime Wtr Cont'd TOH w/fsh. LD fshg tools. Found FL @ 890' w/WL. TIH w/B#11 + mill. Milled 3850-3970' w/aerated mud.
9/14/83	5696	Day-78 (0') - Rmg to btm @ 5684'. (8-5/8" @ 2745') MW: 8.3# Vis: 26 - Aerated Lime Wtr Cont'd rmg w/B#11 + mill to 4130'. Circ & cond hole. TOH. LD BHDC & mill. PU drlg BHA w/B#11. TIH. Wsh & rm to 5684'.
9/15/83	5798	Day-79 (103') - MU BHA. (8-5/8" @ 2745') MW: 8.3# Vis: 26 - Lime Wtr. Cont'd rmg to 5696'. Drld to 5720'. Circ & cond f/logs. Sht trip 25 stds. Circ & cond, spt hi-vis pill on btm. TOH - SLM, corr'd PD f/5720' to 5798' (78' corr). RU Schl. Run DIL & BHCS 5798-2745' & FDC/CNL 5798-1400'. LTD - 5800'. RD Schl. MU BHA.
9/16/83	6065	Day-80 (267') - Drlg. (8-5/8" @ 2745') Aerated Lime Wtr. TIH w/bit & BHA & drld 7-7/8" hole to PD pmpg 294 GPM w/950 cfm air.
9/17-19	6900	Day-83 (835') - Drlg. (8-5/8" @ 2745') Aerated Lime Wtr. Drld 7-7/8" hole to PD w/TFB @ 6490'. Survey: 10° @ 6490'.
9/20/83	7040	Day-84 (140') - Drlg. (8-5/8" @ 2745') Aerated Lime Wtr. Drld 7-7/8" hole to PD.
9/21/83	7050	Day-85 (10') - Logging. (8-5/8" @ 2745') Lime Wtr. Drld 7-7/8" hole to PD. Made 25 std sht trip & sptd 250 bbls hi vis pill. POH. Schl ran DLL/MSFL, FDC/CNL/GR/Calip & BHCS/GR/HDT.
9/22/83	7050	Day-86 (0') - LD 4-1/2" DP - P & A in process. (8-5/8" @ 2745') Wtr. Schl fin logging. TIH w/OE DP to 7000', mix & pmp 50 sx Cl "H" (Plug #1). PU to 5500', LD DP, mix & pmp 80 sx Cl "H" (Plug #2).

8/31/83	64	TD: 4010' (123') - Drlg. (8-5/8" @ 2745') MW: 8.3# Vis: 26 (Wtr)
		Drld 7-7/8" hole to PD w/aerated wtr. Tite conn @ 3910', stuck bit @ 3980' & jarred loose. Circ & cond hole, drlg ahead.
9/1/83	65	TD: 4055' (45') - Wshg bridge @ 3975'. (8-5/8" @ 2745') Aerated Wtr
		Drld 7-7/8" hole to PD & POH. Magnaflux & Ultra Sonic Inspection on BHAs. RIH w/B#9.
9/2/83	66	TD: 4148' (93') - Drlg. (8-5/8" @ 2745')
	about me and a second a second and a second	Aerated Wtr Wsh & rm on bridge @ 3975' & POH w/plugged bit. Staged into hole brkg circ @ 2700' & 3700'. Rmd 120' to btm & drld ahead to PD.
9/3-6	70	TD: 4638' (490') - Rmg under-gauged hole @ 4540'. (8-5/8" @ 2745') Aerated Wtr
		Drld 7-7/8" hole to PD & POH w/plugged jets. Chg'd out BHAs & repaired rig f/18 hrs. RIH w/B#10, brkg circ & taking inclination surveys @ 3500' & 4100'. POH due to brkn WL after surveying @ 4100'. RIH & rmg @ 4540'.
9/7/83	71	TD: 4902' (264') - Drlg. (8-5/8" @ 2745') Aerated Wtr
		Rmd undergauged hole to 4638' & drld ahead to PD. Survey: 7-1/2° @ 4600'. Binkley
9/8/83	72	TD: 5293' (391') - Drlg. (8-5/8" @ 2745') Aerated Wtr
		Drld 7-7/8" hole to PD. Survey: 9-7/8° @ 5074'.
9/9/83	73 •	*D: 5696' (4-5') - Drlg. (8-5/8" @ 2745') Aerated Wtr
		Drld 7-7/8" hole to PD.
9/10-12	76	TD: 5696' (0', 0', 0') - TOH w/fsh. (8-5/8" @ 2745') MW: 8.3# Vis: 26 - Lime Wtr
		Drld to PD. Wrkd stuck pipe. Spt 100 bbl 60 vis pill. RU Dialog - fnd freept @ 4040' & back off DP @ 4010' WLM. TOH - SLM. PU extra DP & fshg
		tool & RIH. Tag TOF @ 4092'. Screw into fsh & circ thru bit w/aereated mud - no returns. Jarred fsh 8' up hole. RU Dialog - fnd freept @ 4071'.
		Cont'd jarring - jars failed. RU Dialog - back off @ 4040' WLM. TOH - LD fshg tools & 1 jt DP. PU new fshg tools & TIH. Screw into fsh. Jarred fsh
	Į	loose & TOH.

8/23/83	56	TD: 3351' (0') - TIH while WOC (8-5/8" @ 2745') MW: 8.5# Vis: 42 Pv/Yp: 14/6 Filled hole w/water & hole stayed full. RIH, tagged TOC @ 2809' & drld firm cmt to 2980'; lost returns. Drld ahead to 3043' w/o returns. POH. RIH w/OE DP w/plug catcher to 2765' & spotted plug #5 w/100 sx Thixotropic + 3% CaCl ₂ + 15#/sx Gilsonite + 10#/sx Cal-Seal. Plug sheared by over displacement & POH dry. CIP @ 2400 hrs, 8/22/83.
8/24/83	57	TD: 3351' (0') - WOC; plug #6. (8-5/8" @ 2745') MW: 8.5# Vis: 44 Pv/Yp: 16/8 FIH, tagged TOC @ 2813' & PU to 2689'. Loaded hole w/wtr & circ w/full returns while WOC (total WOC f/ 14-3/4 hrs). Drld cmt f/2689-3073' w/full returns, strtd having 50% returns @ 3073', then lost complete returns while drlg to 3087'. Drld cmt to 3147' w/o returns w/final 9' of hard cmt. POH. RIH w/OE DP w/plug catcher to 3076'. Sptd Plug #6 w/100 sx Thixotropic + 3% CaCl ₂ + 15#/sx Gilsonite + 1/4#/sx Flocele & 10#/sx Cal-Seal mixed @ 14.0 ppg. Displ'd cmt & bmpd plug @ 0155 hrs, pld 12 stds wet, then sheared plug. FOH dry.
8/25/83	58	TD: 3351' (0') - WO Mtn Air to aerate the mud. (8-5/8" @ 2745') RIH, tagged cmt @ 3011' & CO to 3046'. PU to make conn & stuck. Circ & jar, wrkd pipe free & POH. RIH to csg shoe & WO air company. Telephone is out of order.
8/26/83	59	TD: 3360' (9') - Circ f/TOH. (8-5/8" @ 2745') MW: 6.0# Vis: 40 Pv/Yp: 7/6 (aerated) Cont'd WO air drlrs. Cond'd mud. TOH & instl'd jet sub @ 1200' above bit. TIH. RU air drlg equip. Drld cmt 3046-3351' w/aerated mud, lost 250 BM. Drld to 3360'. Circ & prep to TOH & chg out BHA.
8/27-29	62	TD: 3832' (472') - Drlg. (8-5/8" @ 2745') MW: 8.6# Vis: 34 Pv/Yp: 7/8 FOH, chg'd BHA & calipered same. RIH & drld ahead 7-7/8" hole to PD w/aerated mud.
3/30/83	63	TD: 3887' (55') - Drlg. (8-5/8" @ 2745') MW: 8.3# Vis: 26 Air: 1100 cfm Drld 7-7/8" hole to PD. Rmd tite hole 3840-3862' & made a trip to chk jet-sub.

8/12/83	2800	Day-45 (50') - Prep to POH. (8-5/8" @ 2745') MW: 8.6# Vis: 38 Pv/Yp: 8/6 Fin NU BOPs. Schl ran CNL/CBL/VDL. Press tstd 8-5/8" csg & blind rams to 2000 psi. RIH w/bit, tagged cmt @ 2686' & drld w/wtr. Built mud vol, drld shoe & drld to PD.
/13-15	2800	Day-48 (0') - Rig repair. (8-5/8" @ 2745') Circ, survey & POH. CO cellar, ND BOPs, NU csg spool & tstd pack-off to 2500 psi. NU BOPs & tstd to 3000 psi, except kill & chk valve. RIH w/bit & BHA to csg shoe, RD floor, LD derrick & repair same. Surveys: 2° @ 2300', 2-3/4° @ 2400', 4-1/2° @ 2500', 5-1/4° @ 2600', 6° @ 2700', 6-1/4° @ 2780'
8/16/83	2800	Day-49 (0') - Rig repair. (8-5/8" @ 2745')
8/17/83	2800	Day-50 (0') - 24 hrs rig repair. (8-5/8" @ 2745')
8/18/83	2899	Day-51 (99') - Drlg. (8-5/8" @ 2745') Fin repairing derrick leg, RU floor & commenced drlg operation @ 1900 hrs, 8/17/83. Wsh & rm to btm, strtd drlg & lost circ @ 2873'. Mixed & pmpd 30% LCM & established circ. Drld ahead to PD.
8/19/83	3270	Day-52 (371') - Drlg. (8-5/8" @ 2745') MW: 8.5# Vis: 54 Pv/Yp: 21/9 Drld 7-7/8" hole to PD. Surveys: 6-1/4° @ 2954' & 3061'.
8/20-22	3351	Day-55 (81') - WOC on plug #4. (8-5/8" @ 2745') MW: 8.5# Vis: 49 Pv/Yp: 18/9 Drld to 3281' & lost returns. Sptd 250 bbls LCM pill mixed @ 40-50% LCM pill w/o success. Drld to PD w/o returns & POH after freeing stuck pipe. FL in hole @ 1005'. RIH w/OE DP w/plug catcher, sptd 150 sx Thixotropic + 3% CaCl ₂ + 15#/sx Gilsonite w/tail @ 3075'. No returns. POH. RIH & tagged TOC @ 3253'. PU w/tail @ 3075', pmpd another 150 sx Thixotropic cmt w/same additive. No returns. RIH w/bit, tagged TOC @ 3248', drld cmt to 3321' where encountered firm cmt w/o returns. Tagged FL @ 915'. Attempted plug #3 w/200 sx Thixotropic + 3% CaCl ₂ + 15#/sx Gilsonite + 10#/sx Cal-Seal w/o success. Attempted plug #4 w/200 sx Thixotropic w/same additive as plug #3. WOC & tagged FL @ 900'.

	2000 1	Day-37 (0') - Inspecting BHA. (10-3/4" @ 1484')
3/4/83	2665	MW: 8.3# (aerated) Vis: 26 Spt 250 BM over fsh. TOH. PU fshg tools & TIH. Wrk onto fsh & jar free. Chain out of hole & rec'd fsh. LD fshg tools & fsh. TIH w/DCs & inspect BHA.
8/5/83	2665	Day-38 (7-7/8"), 2170' (9-7/8") - Rmg hole to 9-7/8". (10-3/4" @ 1484') MW: 8.4# (aerated) Vis: 26 Fin inspect BHA. PU 9-7/8" bit, chg out BHA. TIH. Rmd 7-7/8" hole to 9-7/8". Lost returns @ 1637'. Rmd thru bridge. Cont'd rmg w/lime wtr & air.
8/6-8/83	2750	Day-41 (85', 0', 0') - TOH & LD BHA. (10-3/4" @ 1484') MW: 8.5# (aerated) Vis: 65 Rmd 7-7/8" hole to 9-7/8" hole to 2750', w/tite hole @ 2259'. Circ & unload hole & drop survey. TOH - SLM. TIH & hit bridge @ 1661'. Wsh & rm thru bridge. TIH & hit bridge @ 1848'. Wsh & CO hole to 2530'. Stuck pipe & lost 100% returns. Wrk stuck pipe & attempt circ w/aerated lime wtr. Wrkd pipe free, wsh & rmd to 2750'. Spt 270 bbls gel-mud. TOH w/B#6. Stuck pipe @ 2617' & wrkd free. TOH & LD BHA. Prep to PU jars & TIH. Survey: 6° @ 2709'.
8/9/83	2750	Day-42 (0') - Circ aerated mud @ 2422'. (10-3/4" @ 1484') MW: 8.5# (aerated) Vis: 33 Pv/Yp: 12/7 TIH, hit bridge @ 2462'. Unsuccessfully attempted to establish circ w/sml amt of returns: lost 1058 BM in 4 hrs. PU to 1904' & circ w/partial returns of WCM. Staged into hole by 3 stds to 2422' & hit bridge.
3/10/83	2750	Day-43 (0') - Circ & cond hole w/aerated mud. (10-3/4" @ 1484') MW: 8.4# Vis: 29 Pv/Yp: 12/6 Wshd & rmd to btm, and circ'g.
8/11/83	2750	Day-44 (0') - NU BOP. (8-5/8" @ 2745') Circ & cond hole & POH. Ran 67 jts 8-5/8", 32#, K-55, STC csg. BJ cmtd w/150 sx Lite + 2% CaCl $_2$ + 1/4#/sx Celloflake, foll'd by 150 sx Cl "G" + 2% CaCl $_2$ + 1/4#/sx Celloflake w/o returns. WCC f/10 hrs & set slips w/70M# tension.

2330 7/27/83

Day-29 (39') - TIH & unloading wtr. (10-3/4" @ 1484')

MW: 8.2# (aerated) Vis: 34 Pv/Yp: 8/3

Cont'd TIH. Plugged bit & TOH - wet. TIH. Brk circ w/no returns. Drld to PD w/no returns. POH w/13 stds & well strtd flwg. Blew flwline apart due to plugged w/plastic sx. Unplug & repair flwline. TIH unloading wtr

w/air.

2665 7/28/83

Day-30 (335') - Stuck & wrkg pipe. (10-3/4" @ 1484')

MW: 8.2# (aerated) Vis: 26

FIH unloading wtr. Drld w/aerated mud to PD w/wtr flw @ 10 BPM decr'd to 5 BPM. Run survey & DP stuck - no returns. Wrk DP 70' off btm & stuck.

Survey: 5-1/2° @ 2665'.

7/29/83 2665 Day-31 (0') - Fishing.

(10-3/4" @ 1484')

No mud properties

WO Dialog. Mix & spt 40 bbls diesel w/2 bbls "Pipe-Free". RU Dialog. Run free pt, found pipe stuck @ 2476'. Backoff string @ 2420'. RD Dialog. TOF @ 2420', length 158.11', 6-1/2" DC looking up. LD single, mix & spt 42 bbls diesel w/2 bbls "Pipe-Free". TOH SLM. MU fshg tools. TIH & circ

f/fshq.

7/30-8/1/83 2665

(10-3/4" @ 1484') Day-34 (0') - CO & cond hole above fish.

MW: 8.3# (aerated) Vis: 26

Attempt to screw into fsh @ 2420' - no success. TOH & chg out fshg tools. TIH & plugged string. RU Dialog & attempt to unplug - no success. TOH & CO fsg tools. TIH w/fshg tools, wsh & rm to TOF. Attempt to get over fish no success. Circ & cond hole. TOH & chg out fshg tools. TIH & wsh to TOF. No success & TOH. MU OS w/wall hook & knuckle jt & TIH. Wsh & rm bridge @ 2240' - hole tite. TOH & LD fshg tools. TIH w/B#4 (RR) to cond hole. Wrkd hole to CO & TOH to unplug bit. TIH & CO & cond hole to 1965'.

8/2/83

2665

(10-3/4" @ 1484')Day-35 (0') - CO & cond hole above fish.

Vis: 26 Pv/Yp: 1/1 MW: 8.3# (aerated)

Cont'd CO hole above fsh w/lime wtr & air. Hvy LCM bridge @ 2345'. CO to

2360'.

3/**3/83** 2665 Day-36 (0') - Spt mud over fish.

(10-3/4" @ 1484')

MW: 8.2# (aerated) Vis: 26

Cont'd CO to TOF @ 2420'. TOH SLM - corr'd depth of CO to 2477'. TIH. Circ

& attempt to loc fish. Circ & spt mud.

7/19/83 1863	Day-21 (0') - Wshg to btm. (10-3/4" @ 1484') MW: 8.4# Vis: 46 PV/Yp: 24/18 Wsh & CO LCM 805-1295'. Lost 50 BM. TOH w/bit. Pmp 100 BM w/40% LCM, dmpd 60 sx sawdust while pmpg. TIH & CO bridge @ 1543', lost returns. Wsh 1543-1863' w/no returns, lost 150 BM. TOH. Pmpd 200 BM w/40% LCM, dmpd 65 sx sawdust while pmpg. Hole full & losing mud. TIH to 1480', hole stdg full. Circ @ 1480' w/mud & 60% LCM. TIH wshg to btm.
7/20/83 1970	Day-22 (107') - Wrkg on Pump #2. (10-3/4" @ 1484') MW: 8.8# Vis: 85 Pv/Yp: 35/30 Cont wsh & rm to btm. Drld to 1946'. TOH f/new BHA. TIH & wsh & rm 1863-1946'. Drld to PD. Wrkg on Pump #2. Last 24 hrs lost Pump #1 (still dn) & had several shutdns f/repairs to Pump #2.
7/21/83 2080	Day-23 (110') - Drlg. (10-3/4" @ 1484') MW: 8.9# Vis: 83 Pv/Yp: 36/33 Drld to PD & circ samples @ 1980' & PD. Survey: 3/4° @ 1988'.
7/22/83 2265	Day-24 (185') - Circ samples @ 2265'. (10-3/4" @ 1484') MW: 8.7# Vis: 52 Pv/Yp: 24/18 Drld to PD. Circ samples @ 2085', 2097', 2233' & 2265'.
7/23 - 25/83 2291	Day-27 (18', 0', 8') - Mix gel & LCM & bldg mud vol. (10-3/4" @ 1484') Bldg mud f/lost circ. Drld to 2280' & lost returns. Mix & pmp LCM mud, drld add'l 3' while pmpg. POH & cont'd mix & pmp LCM mud f/top w/no returns. RIH w/B#5, circ w/partial returns, then lost returns. POH. Cont'd mix & pmp LCM mud until hole full. RIH & hit bridge @ 2100'. Drld bridge & lost returns. POH, mix & pmp LCM mud until hole full. RIH & lost returns 3 stds off btm. Drop survey & POH. Survey misrun. Cont'd mix & pmp LCM mud w/no returns.
7/26/83 2291	Day-28 (0') - RU aerated drlg equip. (10-3/4" @ 1484') MW: 8.6# Vis: 74 Pv/Yp: 36/29 Cont'd bldg mud vol w/60% LCM. TOH - wet. Pmp LCM mud f/top. TIH w/B#5 (PR) 5 pmp 50 bbls w/po returns. TOH. Pmp LCM mud f/top. TIH w/B#5 (RR).

(RR) & pmp 50 bbls w/no returns. TOH. Pmp LCM mud f/top. TIH w/B#5 (RR). Attempt pmp plastic sx f/LCM - floated out & plugged flwline. RU gas buster. Cont'd TIH & retr'd plastic sx. Air compress equip on loc.

7/9-11/83	1493	Day-13 (0') - Tstg BOP. (10-3/4" @ 1484') MW: 9.1# Vis: 41 PV/Yp: 17/12 Circ & cond hole. POH. Ran 36 jts 10-3/4", 40.5#, K-55, ST&C csg. Landed @ 1484'. Omtd w/510 sx 50/50 Poz w/add & 810 sx 75/25 Poz w/add. Full returns w/cmt to surf. WOC. Cut off csg & weld on bradenhd. NU & tst BOP.
7/12/83	1493	Day-14 (0') - TIH to drl cmt. (10-3/4" @ 1484') MW: 8.4# (Reserve pit wtr) Tstd BOPs to 3000 psi & Hydril to 2000 psi. TIH w/BHA.
7/13/83	1504	Day-15 (11') - TIH w/CB. (10-3/4" @ 1484') MW: 8.5# Vis: 42 Pv/Yp: 12/7 FIH w/bit & BHA. Tstd csg to 1000 psi. Drld FC & cmt to 1474'. Circ hole cln & re-tstd csg to 1000 psi. Drld shoe & 11' new fm by erroneous over-strapping. Circ hole cln & POH. MU 60' CBs & RIH.
7/14/83	1518	Day-16 (14') - WD circ sub. (10-3/4" @ 1484') MW: 8.5# Vis: 46 Pv/Yp: 12/11 FIH w/CB, cored 1504-1510' & CB jammed. POH & rec'd 4.3' core. TIH w/CB#2, cored to 1518' & CB jammed again. POH & rec'd total 8' core. LD CB & RU Johnston-Macco f/DST #1.
7/15/83	1518	Day-17 (0') - TOH to run DST #2 (re-run) (10-3/4" @ 1484') MW: 8.5# Vis: 42 Pv/Yp: 12/7 RIH w/Johnston-Maaco DST, unable to set pkr @ btm of csg & set @ 1428' (90' rathole). Ran DST #1 & rec'd mud only. RIH w/bit, circ & cond hole & POH to re-run DST.
7/16-18/8	33 1863	Day-20 (345') - Wsh & CO LCM @ 805'. (10-3/4" @ 1484') MW: 8.5# Vis: 40 Pv/Yp: 12/8

FOH & PU DST tools. TIH f/DST #2 (Cedar Mesa 1484-1518'), set pkr @ 1474'. Run DST #2 & rec'd 455' sli WCDM; Smpl Chmbr rec'd 2000 cc WCDM. TOH & LD DST tools. PU CB & TIH f/Core #3. Cored 1518-1524' & CB jammed.

POH & rec'd 5' core. TIH w/B#4. Tstd fm to 120 psi f/30 min w/BOPs

3/4° @ 1597', 1° @ 1690'.

closed. Drld to 1857' & lost returns. Mix & pmp LCM pills while drlg 1857-1863' w/no returns. Plugged bit & TOH wet. Pmpd 50 BM w/45% LCM while dmpg sawdust @ surf. Hole plugged off. TIH to wsh & CO mud & LCM. Surveys:

6/25-27/83	Day -1. MIRU Olsen Rig #2. RU Geoservice mud loggers. Est spud approx 1200 hrs 6/27/83 - WO parts f/mud system. 10-3/4" csg & access on loc.
6/28/83	Day -2. Fin RU rig & build spud mud. Chgd out celler motor.
6/29/83 140	Day-1 (140') - Rng survey. MW: 8.9# Vis: 40 SPUD 0430 hrs 6/28/83 & drld 14-3/4" hole to PD. Planning to opn 14-3/4" hole to 20" to 110' & set conductor. GL Elev = 6380' & KB Elev = 14.90'.
6/30/83 140	Day-2 (14-3/4" hole) HO: 110' (110') - Circ & cond hole f/csg. MW: 9.8# Vis: 45 Opnd 14-3/4" hole to 110', circ & cond hole to run 16" conductor.
TIGHT HOLE STATUS	
7/1/83 140	Day-3. (14-3/4" hole) HO: 110' (110') - NU Hydril. (16" @ 108') MW: Spud Mud POH to run 16" conductor. Ran 3 jts 16", 65#/ft, H-40, PE to 108' RKB & Dowell cmtd w/165 sx Cl "B" + 2% CaCl ₂ + 3% salt. No cmt to surf. Tagged TOC @ 30' GL outside the conductor & performed top job w/100 sx Cl "B" + 2% CaCl ₂ . WOC 6 hrs. Cut off 16" csg & NU Hydril.
7/2-5/83 1096	Day-7 (956') - Drlg. (16" @ 108')

circ up into cellar. Spt 100 sx cmt in 16". Sqz shoe, held 500 psi on cmt f/30 min. WOC. Csg & Hydril held 500 psi. Drld cmt & fm to 143'. Had circ back into cellar. RJ cellar pmp. Drld w/partial returns to cellar to 180'. Drld 180' to PD. No lost returns to cellar. Surveys: 3/4° @ 175', 1/4° @ 263', 1/2° @ 311', 1/8° @ 408', 1/2° @ 594', 0° @ 719', 1/8° @ 813', 1/4° @ 907', 1/2° @ 1001'.

NU Hydril. TIH to tag cmt @ 104'. Attempt press tst Hydril diverter. Est

Vis: 44 Pv/Yn: 10/25

7/6/83 1443 Day-8 (347') - Drlg. (16" @ 108')

MW: 9.3# Vis: 46 Pv/Yp: 15/7

Drld & surveyed to PD. Still in Volcanics. Surveys: 1/2° @ 1095', 0° @ 1189', 1/8° @ 1280', 3/4° @ 1373'.



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

DIVISION OF OIL, GAS & MINING *REPORT OF WATER ENCOUNTERED DURING DRILLING*

Well Name & Number	Allen Fee	#1			
Operator of Atlanti	l and Gas Compa ic Richfield Co	ny,Division Ompany Address	P.O. Box 55	40, Denver, Colorado 8	0217
Contractor <u>Olsen F</u>	Rig #2	Address		····	
Location SW4 SW	½ Sec. 3	T31s	_ R	_ CountyGarfield	
Water Sands					
Depth		<u>Volume</u>		Quality	
From To	F1 ow	Rate or Head		Fresh or Salty	
1. Est @ 1706'		2 BPM		Fresh	
2					
3					
4				,	
5					
	(Continue of	reverse side i	f necessary)		
Formation Tops Remarks	See Completion	n Report			
			•		

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
 - (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

CORE #1 1510' - 1504' Cored 7', recovered 4.3'

CORE #2 1518' - 1510' Cored 8', recovered 8'

CORE #3 1524' - 1518' Cored 6', recovered 5'

DRILL STEM #1 1484'-1518' 44' Recovered 452' drilling mud IHH 650 psi; IF 32-105 pis' ISI 255 psi; FF 105-229 psi; FSI 248 psi; FHH no P; BHT 120°; depth 1430'

DRILL STEM #2 1484'-1518' 44' Recovered 455' H₂O cut drilling mud IHH 653 psi; IF 22-70 psi; ISI 281 psi; FF 71-268 psi; FSI 273 psi; FHH 643 psi; BHT 120°; depth 1476'

PLUGGED AND ABANDONED AS FOLLOWS:

Plug #2	5500'-5300'	50 sx Class "H" cement 80 sx Class "H" cement 80 sx Class "H" cement	
Plug #4 Plug #5 Plug #6	2800-'2700' 200'- 0'	65 sx Class "H" cement 60 sx Class "H" cement between 1 50 sx Class "H" cement	0-3/4" x 8-5/8"

January 10, 1985

To Whom it May Concern:

ARCO Oil and Gas Company has completed the reclamation of the drillsite pad and access road for their Allen Fee #1 well to my satisfaction. This well was located in the SW/4, Section 3, T31S-R2W, Garfield County, Utah.

Having the surface ownership of this land, I forever release ARCO Oil and Gas Company from any future rehabilitation and/or maintenance of this land, and concur they have fulfilled all agreements with me regarding this reclamation.

Sincerely,

Phil Allen

Antimony, Utah 84712

ARCO Oll and Gas mpany
Rocky Mountain District
707 17th Street
Mailing address: P.O. Box 5540
Denver, Colorado 80217
Telephone 303 575 7000



JAN 23 1985

January 18, 1985 OM. GAS & MINING

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, UT 84114

Re: Monthly Report of Operations
Well No. 1 Allen Fee
SW SW Sec.3-31S-2W
Garfield County, Utah

Gentlemen:

Attached, in duplicate is the Monthly Report of Operations for the month of December , 1984, on the subject well.

This well was spudded on June 28, 1983 as a "Tight Hole". This report is for your information.

Very truly yours,

B. R. Still

Supervisor, Operations Info. Group

BRS:af

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Form 3160-6 (November 1983) (Formerly 9-329)

MONTHLY REPORT OF OPERATIONS

Lease No	
Communitization Agre	ement No.
Field NameWild	lcat
Unit Name	
Participating Area	
CountyGarfiel	dStateUT
Operator Atlantic	Richfield Company
☐ Amended Report	(Allen <u>Fee</u> #1)

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396d), regulation (43 CFR 3162.4-3), and the terms of the lease. Failure to report can result in the assessment of liquidated damages, (43 CFR 3160), penalties, shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (43 CFR 3160).

Well No.	Sec. &	TWP	RNG	Weli Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barreis of Water	Remarks
•	Sec.3 T	31S	R2W		0	0	0	0	Well spudded 6/28/83.
									P&A 9/23/83.
						OH.	JAN 231		FINAL REPORT- Reclamation wor has been comple ed and location is now ready fo inspection. (Se attached letter January 10, 198
									,

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate	Gas	Water
	(BBLS)	(MCF)	(BBLS)
On hand, Start of Month	0	xxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxx
Produced	0	0	U
'Sold	0	0	XXXXXXXXXXXXXXXX
Spilled or Lost	0	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXX
Flared or Vented	xxxxxxxxxxxxxx	0	XXXXXXXXXXXXXXXX
Used on Lease	0	0	XXXXXXXXXXXXXXXX
'Injected	0	0	0
Surface Pits	xxxxxxxxxxxxx	XXXXXXXXXXXXXXXX	0
Other (Identify)	0	0	0
On hand, End of Month	0	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXX
API Gravity/BTU Content	a le 'a a	0	XXXXXXXXXXXXXXXX
Authorized Signature:	. Still Address:	P.O. Box 5540, I	Denver, CO 8021
Title: Supervisor, Operation	ns Info. Group	Page $\frac{1}{}$ of $\frac{1}{}$	<u> </u>